

27364	92836	69428	61268	74982	46498	32764	31276
40932	70987	32123	49817	26346	81287	65491	87364
75654	55656	12737	72727	72727	91918	63473	67867
87629	37677	32612	53498	71296	28756	18276	98716
76329	74698	76857	98670	27601	56701	57601	73648
87364	87265	96710	27630	12673	84769	28743	98127
63298	75698	27465	87326	49876	28376	81273	98615
87432	74328	78674	29867	32867	67867	86786	43286
68768	68763	34234	34238	68768	62342	48273	48768
98432	32432	86743	43286	43286	43286	43286	43286
86743	86743	39867	32867	86743	43286	43286	43243
86743	86743	86743	86743	86743	86743	86743	86743
98798	98754	98754	98754	98754	29867	67543	67986
87698	69876	87698	69876	87612	12341	34867	86798
43298	65656	56756	56123	32143	14321	32143	14321
58765	58765	58765	58765	58765	58765	58765	58765

# Numbers & Oddities

## a.k.a. The Spooks Newsletter

Edition #325, October 2024

Editor: Ary Boender email: [udxf@udxf.nl](mailto:udxf@udxf.nl)

Numbers & Oddities <http://www.numbersoddities.nl>

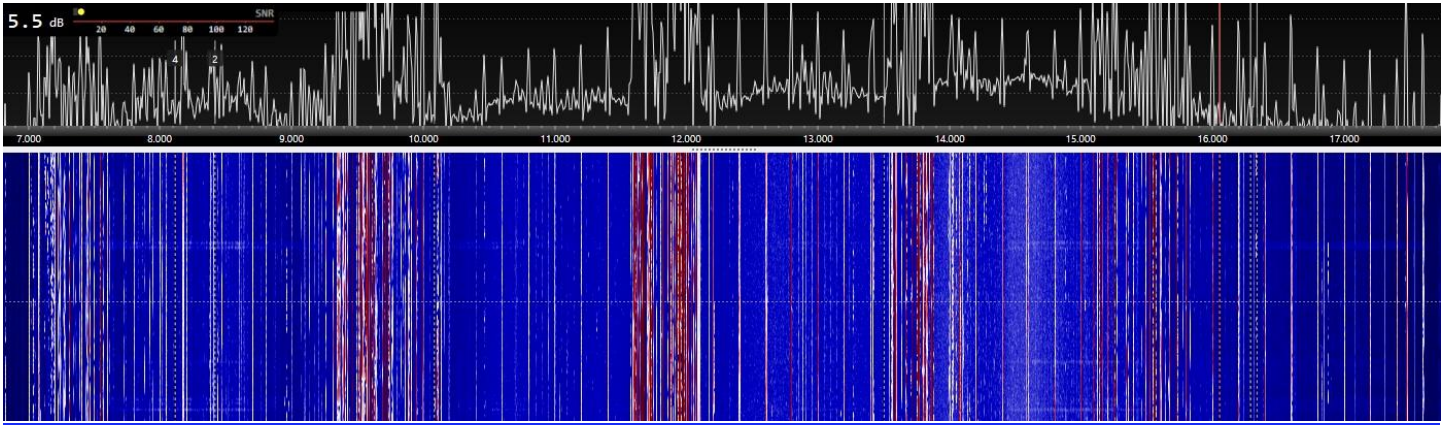
"Numbers & Oddities" a.k.a. the "Spooks Newsletter" is a newsletter for the members of the Utility DXers Forum (UDXF), the Spooks mailing list, HF Underground and everyone else who is interested in Numbers Stations.

"Numbers & Oddities" covers the fascinating world of Numbers Stations and other odd radio signals on shortwave.

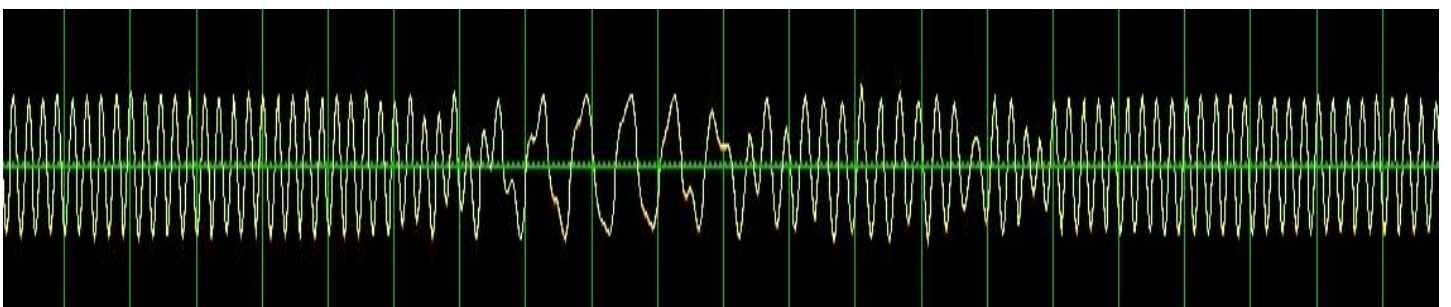


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## FOREWORD

Almost 30 years old and still going strong. Welcome to the 325<sup>th</sup> issue of Numbers & Oddities.

What did we hear in November?

After months I finally found one of the M42b nets again. Fspy sent us a lot of V13 transcripts and the Russians were active with some new and/or temporarily F06 and XPA2 schedules. We found several Q26 transmissions and M23 was active on 4 frequencies in October, and E06 completely disappeared to my regret. HM01 was still silent in October.

Thanks to all the contributors for the many logs and recordings. Good listening !

## VOICE STATIONS

### E07

17461/16161/14361 kHz, 1500/1520/1540 UTC

#### 17461/16161/14361 kHz, 01-10/04-10, 1500/1520/1540 UTC

413 413 413 1 8727 70 8727 70  
86854 19368 91126 45280 98183 21958 63259 08472 92418 62150  
60046 22616 53732 63109 78339 74489 81110 30177 28985 99833  
80648 83372 66233 69303 97260 28199 67862 88020 28775 43515  
17139 61582 52234 23395 93495 98531 16157 80854 02423 45056  
13014 43934 60103 05809 67334 92510 29281 97233 30608 14147  
44390 74757 33535 66033 42329 01349 46435 29781 94353 11235  
50470 54368 73693 18911 25024 23960 59525 56420 31659 54991  
000 000

#### 17461/16161/14361 kHz, 15-10/18-10, 1500/1520/1540 UTC

413 413 413 1 9195 158 9195 158  
19752 59461 72367 50790 03325 95771 83495 11325 35871 29494  
50382 98813 73005 10531 54283 22223 17000 95254 93275 22679  
13509 83169 64251 71762 13058 63932 38410 80837 38914 88053  
91734 65446 01421 04851 29555 33508 58534 05326 65234 61751  
43712 35914 48015 87102 18551 78573 50771 99928 55330 59123  
80443 28367 02212 01063 28238 95192 62607 57534 77743 37398  
76367 65594 39150 66483 32269 79861 43653 64577 11750 45973  
81601 17721 62898 09036 14984 81064 70225 04406 51978 22253  
32248 08208 65488 12280 53056 35368 68614 13792 23797 66551  
07580 64957 68780 40629 47197 93251 40755 01088 22927 85616  
86110 10519 32874 70888 99740 28131 65987 09705 11360 45206  
74430 61384 52570 25048 86551 87964 99740 75156 72620 80892  
11196 27519 60081 41258 32624 27768 63088 28412 06577 84679  
73283 74346 81957 67496 42477 65683 26813 25837 52340 01832  
49752 69418 65212 67618 13865 71109 53412 85723 06002 17350  
19684 12721 10461 86477 17228 61059 29758 44304 000 000

#### 17461/16161/14361 kHz, 29-10, 1500/1520/1540 UTC

413 413 413 1 3654 104 3654 104  
55344 64947 09431 23155 58862 94551 14301 04995 24777 22863  
54722 88002 80554 67615 93265 51402 69119 05510 76175 72771  
23467 45535 87573 71340 17208 17808 22961 61227 44741 20521  
74963 00603 94582 84824 03299 49360 40357 77481 60119 94155  
13901 98701 36778 64541 78252 58463 23509 77127 10205 00261  
98548 84041 41903 33070 62704 28109 46298 26348 69645 48526  
91378 89168 42117 90200 52516 84218 25887 13563 27775 39762  
61452 50484 17520 27636 06990 76193 63178 52270 69819 56203  
67562 13208 30072 37553 38133 63394 13571 18777 75380 88175  
05545 89784 72300 28487 93000 95519 80315 81038 13811 69670  
54675 54593 78264 50516 000 000

15849/14849/13449 kHz, 1410/1430/1450 UTC

**15849/14849/13449 kHz, 10-10/12-10, 1410/1430/1450 UTC**

**10-10, 1410 UTC. Off after group 121. Restarted with 746 746 746 1 and resumed with group 112.**

746 746 746 1 4198 129 4198 129

59873 57428 00165 24619 55775 59134 85031 95819 30307 55190  
24746 54996 79718 30285 59118 85347 06025 12648 52356 40407  
73141 09898 79149 83195 99914 66986 89041 13714 80307 55330  
57826 51705 81247 63888 90437 38002 42221 13229 39765 33804  
34426 34216 59856 99881 48399 80348 69488 92428 56157 45500  
44544 50027 29592 60405 43101 58664 61106 49951 71199 49872  
68001 89655 56128 43814 81484 88054 71074 91539 53005 03498  
68435 72511 61889 11542 07960 50541 49115 81113 02671 38258  
66754 60597 27779 55399 67165 66757 56505 98901 55649 80753  
38155 20243 93914 07673 37528 55403 62119 52896 64987 64558  
42407 55047 95016 83701 81912 33935 47207 65566 19566 62598  
57516 73285 06334 32077 18889 39178 85086 40183 43234 37104  
71195 85197 09320 59882 72568 11948 25048 64655 48096 000 000

**15849/14849/13449 kHz, 24-10/26-10, 1410/1430/1450 UTC**

746 746 746 1 7385 88 7385 88

94075 38506 78738 20316 04824 27424 56977 37627 97041 77953  
94879 70380 14653 06302 51523 73236 74777 77046 09204 94260  
82917 93765 77732 60899 61541 90932 64082 35889 12566 28126  
96490 70538 67402 05982 75633 38805 80308 00811 61567 72016  
95028 85854 01038 10917 58385 03111 11968 50364 07467 27268  
09381 41691 05619 70031 88224 62687 33290 70859 55525 59012  
19376 00867 81228 00258 10083 51417 25982 24048 59693 65987  
82480 27898 38296 45020 04463 75284 70342 75560 36345 76706  
48590 80527 55019 72197 38858 76586 17924 27336 000 000

***E11a***

**6923 kHz, 02-10/04-10, 1715 UTC**

976/39 Attention

25854 90330 56981 84154 45559 78527 10550 94461 15274 54986  
46378 61474 19897 92911 78714 56486 90817 43841 54399 67966  
14016 84140 82424 18217 10640 82330 95006 62115 06271 15467  
87028 03097 98343 07019 26794 02699 30418 75052 24008

Attention (msg rptd) Out

**9150 kHz, 03-10/04-10, 0820 UTC**

435/32 Attention

27388 83013 53456 24491 92706 40958 68321 89527 19189 42835  
93700 08791 09933 09250 81047 25794 82883 62746 67986 32768  
48808 80405 05547 37000 15049 60515 13062 87672 68411 61520  
31845 64635

Attention (msg rptd) Out

**9079 kHz, 05-10/06-10, 0700 UTC**

492/38 Attention

59524 21361 12428 45144 18804 82037 51542 11410 11151 51753  
06573 25976 34052 36968 52967 86975 17303 25187 67307 45901  
24025 52594 87476 66537 36761 32612 38712 74339 59850 72690  
11932 30864 32078 44590 54563 01382 76356 35542

Attention (msg rptd) Out

**19515 kHz, 07-10/09-10, 0715 UTC**

752/30 Attention

03384 19658 81981 27180 70221 49616 04961 03347 85737 11638  
23513 50656 28115 61772 40262 65999 98117 08809 89807 24597  
80019 56982 77181 88684 18272 89579 15615 70752 73078 18018  
Attention (msg rptd) Out

**13117 kHz, 07-10/09-10, 0900 UTC**

536/32 Attention

95076 33918 62605 99202 91688 12892 85923 44095 10607 33448  
41678 84701 95386 44480 46122 26247 36106 22264 73327 85998  
40918 54400 88579 11885 43269 55258 75021 56363 86542 24619  
38378 46135  
Attention (msg rptd) Out

**13470 kHz, 07-10/13-10, 1745 UTC**

248/38 Attention

50204 84327 52227 06669 87478 50449 06360 67746 57204 22368  
63348 41822 08117 33604 85941 61525 43460 48447 40899 10509  
05829 58836 03074 13941 70927 79670 09252 27258 32086 65578  
81044 85510 17859 52174 91927 63428 11271 22824  
Attention (msg rptd) Out

**7317 kHz, 07-10/10-10, 1900 UTC**

641/36 Attention

90510 70132 89069 03139 13610 64756 09672 87700 68109 74012  
59232 31419 01211 60710 87159 13853 00530 81305 55996 31952  
58942 77824 20487 90681 55675 05444 23453 47841 04271 58667  
47128 14295 96571 64757 48588 66014  
Attention (msg rptd) out

**18168 kHz, 08-10/10-10, 0845 UTC**

152/25 Attention

80510 22045 70492 46962 12952 06372 51297 01738 74728 82283  
80927 44345 07584 68803 28418 73151 90306 24658 75156 95533  
22226 21835 16003 26181 10901  
Attention (msg rptd) Out

**14972 kHz, 08-10/12-10, 1430 UTC**

919/34 Attention

55099 75206 94029 10765 22363 17429 73510 71856 68899 50288  
76749 93892 91455 31009 44657 52649 81073 63080 97289 00047  
04914 07095 36528 72611 59765 03236 47417 84240 04461 60324  
75142 92732 28150 37130  
Attention (msg rptd) Out

**19515 kHz, 09-10, 0715 UTC**

752/30 Attention

03384 19658 91981 27180 70221 49616 04961 03347 85737 11638  
23513 50656 28115 61772 40262 65999 98117 08809 89807 24597  
80019 56982 77181 88684 18272 89579 15615 70752 73078 18018  
Attention (msg rptd) Out

**6940 kHz, 09-10/10-10, 0930 UTC**

278/34 Attention

47215 58470 85719 98692 12955 66028 32445 34605 69019 32746  
21712 63136 36300 40531 09177 94713 37643 17457 07815 72642  
45196 29118 09911 62950 20370 94446 50187 68681 47825 90216  
47310 01958 81653 39375  
Attention (msg rptd) Out

**4181 kHz, 09-10/12-10, 1610 UTC**

391/33 Attention

88730 33575 66829 10786 44545 93676 75825 08861 61041 23669  
75682 61078 40002 45370 31031 42783 72424 48091 98683 17786  
88526 72496 25486 57798 79338 09937 88623 81130 96587 97285  
34978 56345 53616

Attention (msg rptd) Out

**8680 kHz, 11-10/13-10, 0600 UTC**

358/36 Attention

53492 14892 46445 06224 13047 75597 78472 00304 89741 26516  
27520 82394 34649 66589 10528 62016 58741 91727 27789 60573  
43931 87233 49019 24504 81651 65020 99341 29782 75554 26766  
46657 56399 42719 26627 44931 41064

Attention (msg rptd) Out

**11116 kHz, 11-10/13-10, 1815 UTC**

926/37 Attention

58275 65060 10704 33131 00360 72822 65836 78670 32279 08144  
57621 87911 05864 21896 56229 59167 21574 66319 33031 80622  
99079 90537 62042 42645 29491 03383 89626 87068 04287 56384  
79928 96725 91929 14910 42618 39849 35757

Attention (msg rptd) Out

**8423 kHz, 15-10/17-10, 0645 UTC**

512/35 Attention

11824 57123 84389 75327 28900 67446 24628 10018 10700 19364  
01682 83680 83142 25301 03629 05542 94266 67162 51113 59219  
23512 29327 03974 31838 17708 94726 25200 43652 46931 49794  
13220 42251 10224 59006 49832

Attention (msg rptd) Out

**8180 kHz, 15-10/18-10, 0700 UTC**

579/39 Attention

20329 22146 61073 88509 97321 00712 05137 77958 09675 94235  
62035 04283 23968 76151 19995 50643 91263 65281 78487 47673  
50070 23498 80140 77164 74312 16647 78541 20353 72383 05509  
45969 27934 80138 22305 47924 77119 13829 75125 42862

Attention (msg rptd) Out

**14865 kHz, 15-10/17-10, 0745 UTC**

223/39 Attention

76329 18800 16724 92204 42474 16482 31085 74833 41716 17217  
54489 81018 14156 50159 73228 12654 74094 62383 91971 71890  
21723 74382 96771 82271 67787 10131 10505 05974 45549 87377  
15099 46438 78723 89651 81475 62347 59986 97390 80835

Attention (msg rptd) Out

**9951 kHz, 15-10/18-10, 1000 UTC**

300/24 Attention

71210 41976 09424 68244 93724 27828 37386 37508 89647 81103  
60022 99605 60263 67099 28379 85608 96033 60256 95562 89251  
48950 60307 82566 33350

Attention (msg rptd) Out

**12530 kHz, 15-10/17-10, 1230 UTC**

331/34 Attention

58545 59705 24610 20131 49016 56021 27892 46844 60822 64218  
86852 69364 04208 39310 93637 16199 87822 35208 14529 03704  
15724 88128 46445 70053 13916 06640 51147 76925 85900 93646  
45239 80217 29786 50854

Attention (msg rptd) Out

**17410 kHz, 16-10/18-10, 0745 UTC**

343/34 Attention

91051 54802 41876 02338 74405 62020 24052 79678 28896 20985  
80705 43228 45466 87458 28052 26092 50997 13959 25437 49549  
46827 42733 20954 91910 29720 99505 38421 86383 97843 73699  
74608 19139 61222 41957

Attention (msg rptd) Out

**4505 kHz, 19-10/20-10, 1645 UTC**

369/38 Attention

40046 78586 50629 29503 82392 32685 13852 39176 67456 19309  
55133 97665 27253 03463 19218 03098 21721 68419 74075 20709  
15014 07376 24999 87292 09154 08622 87261 66792 52050 13213  
53771 03206 89965 61649 19817 28887 57335 40053

Attention (msg rptd) Out

**20170 kHz, 21-10/25-10, 0830 UTC**

189/28 Attention

37905 78966 35636 30472 24322 78248 50775 36273 67188 68885  
26300 41687 79198 01460 82411 20113 50233 94657 28672 47616  
57227 69307 42554 43159 70880 75915 63068 37014

Attention (msg rptd) Out

**12385 kHz, 21-10/23-10, 1045 UTC**

698/23 Attention

12809 00055 19571 67285 78391 95759 45140 69025 38080 54579  
07110 92514 82376 42155 98442 13078 28826 90974 45425 32240  
72034 27475 64152

Attention (msg rptd) Out

**7317 kHz, 21-10, 1900 UTC**

Tones at 1850 and 1902 no transmission heard

**15720 kHz, 22-10/25-10, 0715 UTC**

630/36 Attention

75405 15701 68719 92178 36497 29942 66309 80027 52231 73056  
93026 53196 82427 25672 50076 65713 34366 62395 84643 38442  
79651 38893 67943 65148 83673 26922 45359 25421 38005 99848  
89003 40175 23218 15463 81393 97371

Attention (msg rptd) Out

**19184 kHz, 22-10/23-10, 0820 UTC**

132/38 Attention

86328 96748 53840 15376 83413 66943 28070 40822 70122 52601  
80918 41290 10017 20473 20422 71186 74570 42099 21784 93414  
62847 04311 33868 91000 30845 64531 38989 97999 73715 51775  
18801 16370 35798 35977 66291 28707 21684 45131

Attention (msg rptd) Out

**5176 kHz, 22-10/27-10, 1605 UTC**

232/31 Attention

70188 21741 85003 48405 21834 43890 80994 75677 82155 56102  
34599 39418 72118 88979 81057 71880 71946 03500 82146 87585  
30836 69790 28461 69935 45558 25894 71098 17400 85104 19964  
57411

Attention (msg rptd) Out

**5737 kHz, 24-10/27-10, 2000 UTC**

520/37 Attention

25668 11025 74985 36254 47989 00361 56966 33341 23406 46492  
76353 05057 34754 80105 00601 35417 22743 97097 29020 61547  
83322 95627 89445 84094 09915 68423 34741 44682 15018 42566  
79592 61465 98582 46721 44349 59694 13642

Attention (msg rptd)

**8530 kHz, 25-10/27-10, 1910 UTC**

616/35 Attention

16730 57127 27246 29559 78192 32658 23618 32899 94887 24045  
53855 21319 19080 80515 57522 42616 01431 78006 30617 06311  
23542 85046 80101 03174 62462 72346 55986 61636 60403 55652  
22054 94733 13657 82737 06962

Attention (msg rptd) Out

**11420 kHz, 28-10/30-10, 0315 UTC**

256/33 Attention

47283 48429 34811 18626 08532 95679 68503 54180 87298 07949  
49358 53888 79746 19756 44414 24619 33506 93004 95064 96607  
78860 37617 24931 33658 37555 58853 33413 04231 42064 86229  
92912 05567 39072

Attention (msg rptd) Out

**12385 kHz, 28-10, 0450 UTC**

**12385 kHz, 31-10, 1730 UTC**

416/38 Attention

46676 95611 96664 20171 48466 16409 75155 37293 55607 99963  
47253 33161 02824 51580 43630 27943 60778 69948 82867 90402  
35023 39144 13860 64084 03283 87702 23000 25857 34805 46840  
83591 34514 02130 96288 55759 52511 61452 16334

Attention (msg rptd) Out

**19515 kHz, 28-10/30-10, 0600 UTC**

940/30 Attention

86606 78982 17484 41550 34337 97996 41570 73185 07797 05000  
71997 52666 23646 76069 82663 78952 83158 03334 35756 92922  
39738 84735 92278 70554 04290 36754 28086 43101 66474 96495

Attention (msg rptd) Out

**10213 kHz, 28-10/31-10, 0745 UTC**

268/32 Attention

26598 36620 32210 55767 04138 15661 34434 08377 61174 10063  
95146 16214 10760 91749 09902 81122 02361 01933 21561 10863  
07557 84607 16288 68647 61875 87445 20960 86948 73197 90996  
57461 87050

Attention (msg rptd) Out

**12202 kHz, 28-10/30-10, 0845 UTC**

718/38 Attention

63461 93433 26141 76127 56779 63791 53706 60857 06935 49659  
12806 50868 80415 75789 99086 93995 29217 25180 82825 86210  
71245 07127 56046 08043 98795 16651 41407 21423 94121 69340  
70104 43385 83705 54830 19754 32982 91195 38993

Attention (msg rptd) Out

**5371 kHz, 28-10/31-10, 1300 UTC**

312/32 Attention

28051 51361 53797 96842 52740 38510 83461 91488 44789 90725  
35155 98326 62811 83251 17723 21374 94685 23360 21895 84714  
91749 34742 39568 57526 29101 86057 54291 71432 91608 73391  
29665 63371

Attention (msg rptd) Out



**9399 kHz, 29-10/30-10, 1205 UTC**

469/38 Attention

00968 70822 56080 82445 18232 50341 19857 34845 26198 39880  
89548 41106 62820 18863 52007 95255 30201 38608 36135 95568  
44427 93815 14184 72696 34254 55697 99174 36429 67215 41848  
63860 17288 55112 46545 29853 86176 06252 53140  
Attention (msg rptd) Out

**S06**

**11073 kHz, 21-10, 0920 UTC**

352 917 60  
62720 20076 29050 34264 33745 81728 17137 09656 64683 02307  
29454 18274 42466 62246 72064 84853 37818 25392 90340 41986  
17380 18386 59650 52328 98515 23432 42945 65287 76477 32883  
57433 19114 78625 39075 17510 24342 25381 57861 46158 89516  
02609 09265 71989 75142 75111 03706 54109 86793 95928 07229  
02018 43318 91116 84173 82697 81082 24709 40723 32116 80186  
917 60 00000

**9462.9 kHz, 22-10, 1101 and 1106 UTC. Test carrier**

**9475 kHz, 22-10, 1107 UTC. 1200Hz test tones then S06 "801" once**

**9475 kHz, 22-10, 1120 UTC**

801 (R4m) 463 52  
01153 34 [23s silence]  
801 (R1m15s) 463 52  
01153 34096 68530 78836 93932 76626 98045 29403 54965 89086  
28374 78899 80301 47899 97461 71237 [4s silence]  
801 (R1m20s)  
80 [4s silence]  
801 (R1m20s)  
78899 80301 47899 97461 71137 (group corrected) 35372 84592 59802 38134  
50027 [40s silence]  
801 (R1m)  
35372 84592 59802 38134  
50027 79741 49879 85091 92187 49969 10947 04039 74793 01461  
56326 48569 75747 48412 55411 32714 75529 19861 61565 39187  
42178 03332 24104 48041 18316 98734 51547 21672 89922 80961  
18326 07108  
463 52 00000

**Full recomposed message:**

801 463 52  
01153 34096 68530 78836 93932 76626 98045 29403 54965 89086  
28374 78899 80301 47899 97461 71137 35372 84592 59802 38134  
50027 79741 49879 85091 92187 49969 10947 04039 74793 01461  
56326 48569 75747 48412 55411 32714 75529 19861 61565 39187  
42178 03332 24104 48041 18316 98734 51547 21672 89922 80961  
18326 07108  
463 52 00000

The normal frequency for test ID 801 is 9463kHz, for some reason they decided to move it up 12kHz, which isn't such an unusual practice for them.(PY)

**Pacific schedules**

First the missing messages from September, followed by October's transcripts, with thanks to Subilo/Pryom.

**11616/9322 kHz, 06-09, 0400/0420 UTC**

480 480 480 00000

**11616/9322 kHz, 11-09/12-09, 0400/0420 UTC**

480 275 27  
95196 68541 14196 10963 31546 14496 36004 35167 03290 01342  
83421 00983 89967 92570 77879 10462 51337 09406 12688 41069  
04273 59051 12991 39196 59137 60287 82533  
275 27

480 391 28  
91285 00283 58752 84843 40698 55270 71254 24933 77759 67317  
83461 37136 51165 78004 78758 65803 94743 94893 32083 21228  
13067 78350 37766 37652 65210 39081 91004 99332  
391 28 00000

**11616/9322 kHz, 13-09, 0400/0420 UTC**

480 480 480 00000

**11616/9322 kHz, 16-09/17-09, 0400/0420 UTC**

480 752 51  
74658 42804 13086 07404 94253 33353 20787 81141 41362 72224  
87940 61670 71605 80468 09525 47480 70472 25742 99689 65474  
23724 68076 90262 02726 94926 41295 04769 29349 58551 12256  
25220 67168 62076 85122 81293 83879 15531 42834 26628 17379  
31923 42975 86914 59970 66972 10227 90898 57106 31612 92580  
20222  
752 51 00000

**11616/9322 kHz, 18-09/19-09, 0400/0420 UTC**

480 619 23  
35563 92735 18882 62602 28871 37258 82875 46791 57554 52467  
83427 99715 11171 56447 37399 12875 58233 21810 33115 29243  
95319 15018 95743  
619 23

480 375 28  
91863 81186 98203 31123 39029 40731 13257 86697 86697 69353  
14313 14419 01080 38025 30817 09437 72554 46751 78387 02852  
96636 48192 70703 89883 58576 89362 21714 09695  
375 28 00000

(Note: The 8th and 9th groups are identical. The second message is partially repeated on September 25, 2024 as 480 735 22 groups 1-22.)

**11616/9322 kHz, 20-09, 0400/0420 UTC**

480 480 480 00000

**11616/9322 kHz, 23-09/24-09, 0400/0420 UTC**

480 261 53  
45399 23709 76404 56869 25394 30396 49152 45981 41875 87621  
10458 33777 14042 48687 88329 42790 42045 26721 85301 45139  
58711 22068 59116 84684 24105 13828 24206 03198 00105 51509  
53667 68968 87189 07702 86406 31286 90622 77732 69149 49250  
08210 37228 88006 68318 16831 93518 69265 43060 79934 91843  
54124 29532 03165  
261 53 00000

**11616/9322 kHz, 25-09/26-09, 0400/0420 UTC**

480 269 31  
61491 33393 22967 15525 98562 23999 72450 96274 24352 39991  
71929 12650 08060 02357 76219 63119 38980 17300 90047 14837  
45531 65173 81465 14499 68301 59437 45381 49690 85527 67814  
78101  
269 31

480 735 22  
91863 81186 98203 31123 39029 40731 13257 86697 86697 69353  
14313 14419 01080 38025 30817 09437 72554 46751 78387 02852  
96636 48192 70703  
735 22 00000

(Note: The preamble specifies 22 groups. The message consists of 23 groups.) The 8th and 9th groups are identical. The second message is partially repeated on September 25, 2024 as 480 735 22 with the 1st to the 23rd group.)

**11616/9322 kHz, 27-09, 0400/0420 UTC**  
480 480 480 00000

**11616/9322 kHz, 30-09, 0400/0420 UTC**  
**11616/9322 kHz, 01-10, 0400/0420 UTC**  
480 513 60  
54009 27302 37189 50439 94295 19198 84846 08821 82658 23274  
16419 22176 24463 95226 29810 52073 62776 01548 88201 43107  
39011 16457 73514 33956 66939 85743 74338 40795 68526 99684  
19282 67765 45022 42233 91656 24181 81735 08663 86458 53156  
09945 08858 95563 01356 74373 98433 32090 84538 79663 04882  
29852 28588 14300 40915 78853 90728 75408 22211 82753 90593  
513 60 00000

**11616/9322 kHz, 02-10, 0404/0420 UTC**  
**11616/9322 kHz, 03-10, 0400/0420 UTC**  
480 796 25  
77630 03638 36902 98594 05022 57561 00247 28365 41288 86813  
40305 68647 97610 17881 17419 35664 02730 07621 56674 33829  
48616 40377 77220 21077 10851  
796 25

480 351 27  
57507 43263 40831 70187 37462 65877 41055 71808 71808 87474  
91610 03760 58970 18011 06519 32308 86111 47491 81679 41326  
69444 16228 89910 26230 17673 00817 54602  
351 27 00000

**11616/9322 kHz, 04-10, 0400/0420 UTC**  
480 480 480 00000

**11616/9322 kHz, 07-10/08-10, 0400/0420 UTC**  
480 279 54  
89192 07571 09681 90591 68276 53912 50987 20015 04361 51720  
89746 76398 69017 37829 80040 54630 34130 33846 15810 28983  
68887 49850 43130 83232 34138 74916 06570 11191 28792 27890  
96813 23579 67966 66851 91745 22199 97553 80716 08179 27316  
74906 11392 06411 69202 70317 79946 14803 79788 68990 15216  
66572 45336 78193 08288  
279 84 00000

**11616/9322 kHz, 09-10/10-10, 0400/0420 UTC**  
480 631 52  
95430 85367 94546 58546 97224 49741 61696 62019 59738 20787  
72878 15568 05020 81668 83533 69513 25276 71420 53851 24883  
01006 44368 89612 56352 09465 81204 41324 26690 90652 87664  
41352 91151 63005 41737 83718 15243 05979 75349 76274 54303  
51719 01459 19915 68346 53004 22494 94532 70588 19633 81081  
56404 33102  
631 52 00000

**11616/9322 kHz, 11-10, 0400/0420 UTC**

480 480 480 00000

**11616/9322 kHz, 14-10/15-10, 0400/0420 UTC**

480 257 60

07510 40728 29014 58389 54878 59834 94353 26608 65971 77301  
51748 64168 08192 67810 37956 46645 93270 34333 64401 88934  
59637 63719 13839 22376 26759 42144 36353 68452 32388 85102  
18094 76254 88659 61652 21219 15914 17979 17575 18451 45167  
54620 27148 70741 91267 22995 28228 21267 15398 28516 20311  
04775 51807 21992 30278 94771 38834 23505 75493 37923 84009  
257 60 00000

**11616/9322 kHz, 16-10/17-10, 0400/0420 UTC**

480 163 29

49393 20100 84652 00527 60516 63869 24258 02232 86935 83006  
42931 49513 87753 83248 95515 22328 66427 75319 77788 85381  
50575 92693 09053 69821 44142 71179 23797 00322 06615  
163 29

480 926 30

36558 14692 91312 26664 02091 84698 10785 59787 89389 43970  
92810 57146 06765 55910 38663 21371 23683 24462 26136 06830  
14018 04133 28432 57836 65815 42546 95652 59837 55991 47694  
926 30 00000

**11616/9322 kHz, 18-10, 0400/0420 UTC**

480 480 480 00000

**11616/9322 kHz, 21-10/22-10, 0400/0420 UTC**

480 715 60

94280 25677 00948 37615 91886 89717 95243 49787 07271 94633  
36659 25308 48483 25669 51381 69994 93995 97139 95735 64181  
14016 77723 76370 32394 62588 69751 40461 63115 20193 40938  
28117 39594 91521 31994 04194 67618 88107 88551 11675 11205  
50513 90848 13831 72130 89760 79597 17334 74258 52670 01494  
93514 38576 40837 22776 39955 59899 37886 84302 49596 21174  
715 60 00000

**11616/9322 kHz, 23-10/24-10, 0400/0420 UTC**

480 639 25

22675 63045 23146 98228 96261 92967 77711 50405 38127 91711  
30679 06158 22115 32611 94190 36644 64241 74485 09554 07684  
01226 79673 75592 10615 83595  
639 25

480 751 26

28598 10872 69675 08455 98014 33909 21090 85146 79445 71877  
62822 94502 84144 71561 24506 12950 48183 75018 81357 99146  
52131 91302 22537 46441 30669 69620  
751 26 00000

**11616/9322 kHz, 25-10, 0400/0420 UTC**

480 480 480 00000

**11616/9322 kHz, 28-10/29-10, 0400/0420 UTC**

480 293 56

96603 42384 96894 51521 01634 40108 55759 06311 85280 83266  
93536 53548 30120 40763 09647 88649 18673 49744 04378 11370  
14125 94754 76385 36334 70763 13010 68384 06907 25845 92189  
47733 96400 23868 67888 93639 80388 28385 72711 80171 53892  
36942 02208 19184 22745 29197 50196 19626 87809 68846 14615  
58205 11640 33928 22128 75430 87040  
293 56 00000

**11616/9322 kHz, 30-10/31-10, 0400/0420 UTC**

480 132 40

68455 04438 36615 37494 60023 79272 13271 20577 11484 01877  
78079 30019 18010 92708 31353 32490 13513 99132 73958 27511  
46541 93660 92244 40851 91043 46495 14560 75845 46680 45846  
06532 58555 08367 64423 97303 37705 09756 95560 53924 25361  
132 40

480 675 20

03653 94046 39801 64179 22531 13686 77030 09442 64249 98436  
77181 70213 58322 70551 99930 61941 42309 94466 25645 52349  
675 20 00000

**S11a**

**10213 kHz, 02-10/05-10, 1850 UTC**

284/35 Vnimanije

56937 65881 22309 08001 72620 16934 69447 16471 30198 26810  
64135 08210 72510 15825 83453 17833 51000 95278 56443 58076  
66571 12245 14509 75207 21319 22352 32918 08109 77196 75684  
99123 85025 30562 04889 13036  
Vnimanije (msg rptd) Konets

**8597 kHz, 14-10/17-10, 0700 UTC**

479/38 Vnimanije

84697 26520 14932 89476 81493 41191 15578 77873 92760 99174  
87352 34293 86039 12197 77023 81820 44441 72239 39642 11634  
50199 19133 20875 02359 32777 00761 29373 90922 81442 17646  
70771 48666 47275 60773 03219 71940 09522 75502  
Vnimanije (msg rptd) Konets

**6480 kHz, 14-10/18-10, 0915 UTC**

483/38 Vnimanije

09011 25797 48846 06940 03227 68251 15463 37729 59954 05868  
80983 86667 69381 36126 91957 92383 26372 92161 21608 54868  
65493 29975 34212 96002 12776 75471 49028 91434 83754 58924  
69692 53850 15398 06695 41324 12785 96318 08255  
Vnimanije (msg rptd) Konets

**10728 kHz, 15-10/17-10, 0445 UTC**

791/32 Vnimanije

86286 68806 50324 64420 29087 48171 01623 09025 76034 19267  
74063 27433 49694 65026 56362 98252 75242 21206 12142 96340  
11776 33101 10043 88176 16684 97453 06914 42871 88972 34991  
78782 62598  
Vnimanije (msg rptd) Konets

**21854 kHz, 16-10/18-10, 0725 UTC**

389/39 Vnimanije

48246 42773 46628 95406 69330 32220 85732 86490 61819 13498  
82579 96923 65991 26347 48869 98693 86326 16960 44271 65416  
09135 07676 48377 78736 36129 47596 02429 30105 57522 12193  
84037 43538 18469 29429 83567 92019 39271 36850 76344  
Vnimanije (msg rptd) Konet

**6433 kHz, 19-10/20-10, 0830 UTC**

372/31 Vnimanije

62142 36355 99816 54521 11259 62204 19878 60052 98040 31997  
15275 61870 08034 14153 98075 78105 01668 05738 50482 32253  
63344 20863 37050 45691 43793 89850 36674 16696 28910 14357  
34275  
Vnimanije (msg rptd) Konets

**23004 kHz, 21-10/23-10, 0510 UTC**

652/37 Vnimanije

96103 97161 73060 34595 58915 59464 06149 49577 39258 06099  
80865 14218 87198 54356 38849 25168 96074 37339 24572 18083  
31322 19671 56286 08273 33188 14695 66986 23984 86488 43446  
28033 56416 46194 81989 19309 84799 90859

Vnimanije (messag repeated) Konets

**11420 kHz, 22-10/25-10, 1400 UTC**

424/30 Vnimanije

47878 57307 03128 66186 08964 97032 97203 83844 85510 67601  
57200 54927 61773 83111 92614 64259 66192 72241 23464 25077  
27399 58521 91625 38580 97902 23766 84712 19827 60301 85567

Vnimanije (msg rptd) Konets

**V07****18217 kHz, 06-10, 0200 UTC**

238 238 238 1 4034 123 4034 123

00905 73930 60376 67990 26790 58751 10934 80661 94560 97723  
08907 84934 75828 74567 92485 62566 04355 48904 01340 41906  
16345 69955 15413 06754 78044 62359 95981 31830 08622 44049  
89786 12239 16007 61316 80305 87997 73493 88795 89745 23613  
15215 82388 39770 66207 00264 09910 01326 78321 87254 14203  
34514 00536 95967 98860 06218 95009 31090 93417 65884 23613  
50121 42388 78240 46449 73470 21542 02701 59606 56844 21487  
37916 06278 37815 11905 12638 96420 04211 70906 83092 17075  
61485 22097 45995 37158 38731 61981 06111 17480 41440 36523  
13829 43015 38213 75005 09600 40454 47849 01796 10718 06630  
38252 65362 64054 41916 86598 44289 71973 01660 84763 66109  
47425 64483 72148 17054 73448 34973 59939 12287 49852 08821  
18601 86285 80418 000 000

**18217 kHz, 15-10, 0200 UTC**

238 238 238 1 1589 125 1589 125

04137 77716 48693 98221 12210 59912 34150 81532 43560 67938  
86775 25148 30117 71503 93907 50194 30662 43829 73730 88240  
17342 52120 77899 69446 97316 96416 19202 69173 67433 14475  
45281 78510 49076 48660 89047 21049 95552 72024 67901 79771  
73074 23750 30153 38429 77477 52215 48419 41585 53811 94665  
79574 02236 85539 47662 94283 78503 37124 59743 85053 43671  
06205 64865 45206 32361 28375 12267 73098 81020 67129 04478  
29905 37825 58839 72479 76758 79303 05415 04461 36137 87252  
47899 83116 46325 02529 77093 37719 16275 67935 85696 94232  
67381 10450 57591 59362 06967 35689 81085 00230 56214 50034  
90313 45027 11335 08367 62732 73116 95738 97809 57698 44868  
83833 82460 35853 55213 73238 99593 08655 72975 87583 98413  
26570 81649 06056 68973 29150 000 000

**18217 kHz, 20-10, 0200 UTC**

238 238 238 1 3030 59 3030 59

77776 78095 46559 98775 82907 47515 80065 95583 18761 58293  
10880 46522 60252 87641 15877 85167 50462 82111 54974 99512  
35114 60697 36961 13646 38156 23846 80113 27619 59066 31848  
95494 02614 29147 36306 52212 59069 42600 37462 77819 58182  
81587 76311 18469 42769 90813 12577 83974 04692 93607 89241  
80438 04519 14091 22138 32983 08352 32508 50185 34459 000 000

**18217 kHz, 27-10, 0200 UTC**

238 238 238 1 4896 87 4896 87

23702 34470 46129 05244 32906 82687 56765 98433 44258 94858  
77057 46967 62897 61790 45827 25519 88859 98769 66847 29534

72334 24073 74640 23442 34988 15202 76563 43479 36499 88951  
14053 54149 19561 86474 48772 62113 63470 86708 69327 07956  
96428 91324 35918 91969 13901 69073 22305 11821 13094 85116  
73861 88533 75673 33837 03468 41484 11581 62930 60296 86011  
27011 05088 00834 17600 37363 59651 95297 67018 19268 02946  
31208 79142 46569 24299 85862 67939 02346 85539 30471 30360  
08133 31198 52380 14372 95684 49375 38028 000 000

## V13 - New Star Broadcasting Station (星廣播電台 Xīngxīng guǎngbò diàntái)

Fspy was very active this month and supplied a lot of transcripts, including a rare null message. All comments by Fspy.

### V13 designators changes

- V13 (regular classification) : Standard format. AM/USB hybrid, introductory phrase spoken twice, three messages addressed to three different units, group counts between 30 and 35.
- V13a: Old format. AM mode, introductory phrase spoken only once, analog voice synthesizer, 5-7 messages addressed to 5, 6, or 7 units with group counts between 20 and 39.
- V13b: AM/USB hybrid, introductory phrase spoken twice, 4 messages to 4 units, longer group counts between 50 and 69 in each message.

### 15890 kHz, 01-10, 0000 UTC. New Star Broadcasting. Station 3

Unit IDs: 2046, 9244, 9265

Group Counts: 32, 31, 30

0304 3814 2398 2884 6763 6415 5237 3886 4097 6063  
6393 2009 2315 7066 6848 1792 0456 4474 3500 1963  
8200 0427 6875 5329 6025 6546 3737 3718 1644 2090  
7394 5277

6293 5983 3191 3665 9988 1183 6885 2869 8010 8682  
9971 1661 9653 1715 5308 6316 9970 8550 1406 4443  
3354 6368 1770 2130 9557 2256 9668 7834 6098 6702  
5674

6012 4860 9251 3456 9135 2645 8223 2779 7112 4600  
9392 0083 5693 2151 2972 7854 6076 6165 7789 6152  
6349 4827 3142 7108 1760 1955 7047 1649 0411 3449

*Note: unusually poor signal quality for this station today. Maybe this is why it sent this week's message two days late.*

### 8300 kHz, 01-10, 0200 UTC. New Star Broadcasting. Station 2

Unit IDs: 3455, 7254, 9670

Group Counts: 33, 34, 30

1395 8459 8301 3564 2695 8763 9836 3322 8597 0214  
6398 3952 2081 0282 1245 8544 6262 0826 6931 0081  
3499 4825 2125 1082 1604 2341 0505 5281 8354 0152  
9737 4757 2667

0717 5801 6900 8659 1188 3155 5134 2607 3949 0290  
0698 2038 9513 4577 4810 4676 8695 1735 3143 7570  
4360 5585 0310 1286 5859 3167 1716 5526 0174 0719  
4603 6176 3228 3613

9161 7176 0025 5941 3143 3779 5995 5622 9034 1624  
4411 0832 5941 9300 2540 3558 4742 7343 2924 9036  
5670 3644 9097 6058 9635 4355 7523 1057 4393 8189

*So, after transmitting the most recent old format message, V13 station 1 went silent for a few days and now It has suddenly returned to the standard format: three messages, addressed to three units, all messages 30-35 groups in AM/USB hybrid mode.*

*At the same time, station 3 has made a sudden and unusual change and there were a few errors! Last night, it sent messages to 4*

units instead of 3, and the group counts were significantly longer than normal: 57, 57, 64, 64. The two 64 group messages were sent to different units but the message content was identical! Moreover, in the callup, the second unit ID is spoken as 4508, but before the second message plays it is spoken as 0207. The second message is also 51 groups long, not 57!

#### **20025 kHz, 01-10, 1100 UTC. New Star Broadcasting. Station 5**

Unit IDs: 4250, 4689, 9314

Group Counts: 31, 35, 32

5989 1364 5462 7240 1161 8668 7176 6678 8140 0326  
5285 2281 8088 0211 4235 7654 6833 6272 5826 6057  
0036 4520 7448 8944 0994 0579 5966 2411 5405 5484  
3228

4989 5868 8340 2791 6062 7259 1435 8667 9071 1533  
6728 7717 8881 4149 8208 6378 8389 6966 4063 0094  
4610 8723 3146 7403 5439 0252 8835 4855 4843 9922  
5418 2230 8694 4509 8285

7952 1401 7006 5230 1632 5511 0581 3908 4886 2812  
1525 3601 1279 5227 2863 6251 6297 2398 6002 2553  
6470 5830 1484 9133 2117 5503 0717 5910 6395 2730  
4289 1349

#### **18040 kHz, 06-10, 0100 UTC. New Star Broadcasting. Station 3**

Unit IDs: 2316, 5161, 9830

Group Counts: 35, 30, 33

0267 4288 8213 2167 7545 8038 3980 9514 1803 4973  
3992 7972 4822 7090 1800 6931 7493 1379 6740 7808  
5498 3085 2093 5391 3300 1900 4911 8465 6306 0722  
0615 2328 8043 4899 2878

9795 1724 5297 6424 7329 6035 0082 8878 0166 4511  
8472 8709 1530 8189 7140 3692 0920 8274 5578 9594  
3044 3560 7426 3821 5539 0490 7826 5109 6763 5175

7119 2177 2838 6642 3838 7885 1404 8558 6550 2411  
8578 1762 7080 9694 8656 7153 6215 7908 6468 5300  
7414 6347 0704 2894 6686 8800 3868 2600 7459 3115  
9947 9119 5772

#### **20025 kHz, 06-10, 0130 UTC. New Star Broadcasting. Station 4**

Unit IDs: 5597, 6045, 8797

Group Counts: 33, 31, 34

5063 1357 5784 4018 4083 3391 1141 5882 8201 3584  
8457 7659 5347 2050 0197 3004 4931 0193 5323 7669  
5760 1433 0851 0751 1638 9903 5044 0093 3630 8213  
8262 7893 0873

9990 5665 9597 5826 9210 3982 4672 0653 8972 3977  
5841 7667 7402 0163 0067 3688 6852 5338 1026 4745  
2339 5840 2427 8849 1592 7145 8703 6165 3001 5147  
9183

9468 2996 9806 8428 6236 2404 5468 5571 6138 9137  
9613 5382 4150 5025 8508 5015 2853 9546 2408 0464  
2452 3208 7268 9939 0504 2192 8360 3650 2904 4286  
0282 4388 7158 2361



**8300 kHz, 06-10, 0230 UTC. New Star Broadcasting. Station 2**

Unit IDs: 2679, 7269, 9949

Group Counts: 32, 31, 32

4302 9882 8588 8985 7444 6943 7066 0482 4327 3560  
1840 7949 6563 0043 8304 1790 5207 0186 1423 3384  
6472 5229 2714 0894 5137 1881 2916 3641 8397 7653  
6737 5846

8896 4367 3692 7703 3277 2839 5532 8823 8621 2675  
4842 6929 5227 1488 1830 7135 8769 3203 4862 5952  
9044 0033 5357 7821 8954 5808 2693 6921 9259 9168  
2607

0703 8086 4863 1241 0656 1387 2180 9821 8960 5139  
5277 7384 4599 0409 0947 5592 9012 7196 3788 7423  
1942 0801 9322 8324 5679 8089 7378 7123 6446 9775  
4706 8909

**18040 kHz, 09-10, 0000 UTC. New Star Broadcasting. Station 1**

Unit IDs: 2277, 4097, 5569

Group Counts: 33, 32, 35

9525 2731 5348 5416 4870 8214 6258 1151 5421 1488  
0472 3141 1019 2370 7565 1433 3406 4860 2745 1103  
9682 0634 4231 6639 9698 7213 6365 3113 9674 6899  
3902 5017 5754

1130 6555 4440 8905 3321 7421 8375 4201 5217 8123  
4903 8305 6352 5738 7311 9250 2486 7456 1685 4991  
0568 3901 5987 6794 2612 4132 5815 6174 1701 4922  
4648 7915

5777 2703 1992 3254 5192 4815 7088 4099 8279 7439  
0068 1173 7260 5715 2567 8793 5125 0419 0127 5802  
9284 7222 3423 4539 6279 4813 2698 1924 2929 1315  
2106 7555 1322 8637 6819

*Note: went silent for a few days, then back to the new/standard format. This is odd!*

**20095 kHz, 08-10, 1030 UTC. New Star Broadcasting. Station 5**

Unit IDs: 0670, 1605, 7211

Group Counts: 32, 31, 30

9159 0967 3754 7199 2471 3682 3724 8690 5194 9533  
7807 5384 0653 3516 2900 9491 9348 0481 3858 5299  
9023 0966 9512 3550 0938 9413 4441 7070 9980 4799  
5996 3539

9018 7532 3770 2817 5358 8560 8941 9197 7679 0738  
8965 9492 3461 5836 6202 1370 8447 1179 6954 7904  
9828 6535 3109 1106 8402 0313 4543 6134 2703 0078  
8152

1340 6301 9341 4832 2885 2891 3482 0639 3088 2554  
8019 0937 5608 5423 1288 4399 1842 6874 7318 0464  
4570 9296 4480 6136 7792 4943 9350 4287 5298 7058

**18040 kHz, 09-10, 0130 UTC. New Star Broadcasting. Station 3.**

Unit IDs: 4392, 4508, 5358, 6966

Group Counts: 57, 57, 64, 64

4697 0772 0457 9151 7363 2253 6728 1071 1106 0814

6170 3639 7613 1549 3615 0689 2376 7754 6439 6839  
1606 4954 3911 1353 3219 3681 9312 0927 7050 8388  
9265 1684 2956 4009 9212 2622 5310 2378 0891 5464  
5242 5249 1033 7786 1180 1323 3298 2313 6745 2643  
5992 4460 2169 8289 9809 9134 1590

5438 9030 0269 7052 1616 3090 5182 8659 9445 3819  
1599 8751 5967 1399 5997 3966 3622 3475 6848 2761  
1192 4397 2791 2770 7565 2274 1401 9580 6837 4759  
4129 8098 1504 4111 5793 5181 4937 5720 7727 1729  
7685 5610 7790 5949 2639 3357 4948 0111 1479 7781  
7859

7988 6017 0264 8050 2751 1914 1248 4471 0954 0092  
4840 4276 1176 2787 0401 3598 6954 6637 5941 6296  
7174 0543 6809 1636 8721 9246 9349 4869 7085 9121  
3120 9487 4193 9704 1503 0081 6435 1099 7708 8751  
9452 7357 6952 7562 2447 5122 8942 1078 6180 8660  
1931 8321 0742 9833 4552 8230 2963 4349 1866 4117  
6881 9653 1406 5730

7988 6017 0264 8050 2751 1914 1248 4471 0954 0092  
4840 4276 1176 2787 0401 3598 6954 6637 5941 6296  
7174 0543 6809 1636 8721 9246 9349 4869 7085 9121  
3120 9487 4193 9704 1503 0081 6435 1099 7708 8751  
9452 7357 6952 7562 2447 5122 8942 1078 6180 8660  
1931 8321 0742 9833 4552 8230 2963 4349 1866 4117  
6881 9653 1406 5730

*While station 1 has reverted to the usual broadcast format, station 3 is now sending longer messages and to 4 units instead of 3. Also note that the messages to units 5358 and 6966 are identical. Second message group count is 51, despite being read as 57, and the second unit ID is spoken differently (0207) before the beginning of the message.*

**15890 kHz, 13-10, 0030 UTC. New Star Broadcasting. Station 3**

Unit IDs: 3495, 6759

Group Counts: 57, 57

4697 0772 0457 9151 7363 2253 6728 1071 1106 0814  
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000  
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000  
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000  
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000  
0000 0000 0000 0000 0000 0000 0000

4697 0772 0457 9151 7363 2253 6728 1071 1106 0814  
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000  
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000  
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000  
0000 0000 0000 0000 0000 0000 0000 0000 0000 0000  
0000 0000 0000 0000 0000 0000 0000

*Note: what on earth could this be? First few groups are the same as the message sent to unit 4392 last week, then it's just zeroes. Also, only two units in this broadcast and the messages are identical. Not a null message because V13 has a known, but rare, null format. Could this be a test? Maybe canceling instructions given earlier?*

**20025 kHz, 13-10, 0100 UTC. New Star Broadcasting. Station 4**

Unit IDs: 1900, 6647, 8291

Group Counts: 33, 35, 33

8273 3949 8724 2477 1638 7417 5964 1848 2902 9498  
4118 1728 5445 3928 3150 8614 6668 6449 7502 8726  
7824 7057 5547 5540 2876 6271 6860 8294 5656 4098  
0738 1983 4487

2392 9870 4917 7343 3002 2956 1305 6356 7721 4763  
6948 0195 2802 2726 9903 1710 5723 0075 4745 4594  
6040 1139 6466 2591 6500 1066 0976 2124 9547 4970  
5009 7991 7128 1708 3203

6340 8899 0514 9239 1705 9773 5581 4714 4959 1279  
1876 5091 4836 1334 0366 5894 5286 9147 1608 5541  
2166 3224 2023 7598 1525 4168 4477 3592 4297 3653  
1844 1113 1090

**19052 kHz, 13-10, 0130 UTC. New Star Broadcasting. Station 1**

Unit IDs: 0353, 4208, 8922

Group Counts: 33, 30, 35

9146 6088 0756 6346 4946 7029 8158 0154 7349 6538  
5015 9119 1469 5834 3035 9605 5315 7617 2761 6661  
5186 6148 8978 8509 3718 5759 7942 1785 3961 9719  
1992 6259 4206

6076 6896 6429 4377 5265 7778 1776 0629 5026 9339  
0664 7435 2130 4032 4657 4272 6379 0115 2968 4244  
1467 2065 1830 3723 6157 2803 3062 9095 3718 6309

0516 9339 9954 5570 6758 0426 2156 2488 7984 6446  
1120 2674 2452 2973 9247 6066 8094 0171 0815 7110  
3155 9533 9529 5724 3535 4456 2349 4191 2374 7487  
7324 0250 1858 8309 8240

**8300/13974 kHz, 13-10, 0200 UTC. New Star Broadcasting. Station 2**

Unit IDs: 0682

Group Counts: 52

8810 8257 0252 6620 5778 3144 1134 2094 9366 1214  
3484 7420 8030 7526 3595 8744 0907 1126 8855 9876  
4741 6252 0095 1130 6742 1532 8278 4645 6426 1835  
3128 3718 3871 7459 3808 4040 3482 5275 6633 8856  
1661 1253 1901 7313 4096 3127 6736 5549 3521 9975  
6707 3718

*Note: longer message and only one unit. What could the NSB be up to?*

**8169 kHz, 13-10, 0200 UTC. New Star Broadcasting. Station 1**

Unit IDs: 7250

Group Counts: 70

0621 5272 0142 0082 8045 2298 2875 9904 9449 1825  
1855 7941 9557 5137 7430 5145 6635 8047 2292 7227  
2524 8322 1524 0376 4430 0832 7086 8628 7239 4153  
3316 0423 3590 8723 3622 1256 1027 2463 5432 2254  
1606 9687 2501 2066 2027 6187 2999 7785 1197 0618  
0966 6951 8560 1838 6959 9842 9953 2461 1767 1734  
4384 2462 3807 1186 8452 8567 0043 6189 3161 9831

**15388 kHz, 14-10, 1200/1230 UTC**

New Star Broadcasting. Mix of two V13 stations

**15890 kHz, 15-10, 0030 UTC. New Star Broadcasting. Station 3**

**13974/14944 kHz, 15-10, 1200 UTC. New Star Broadcasting. Station 3**

*All messages are identical, and there were two copies of the message for each unit. Group counts were stated as 114 in the call up, almost certainly referring to both copies of the message added together.*

Unit IDs: 3495 and 6759  
Group Counts: 57, 57, 57, 57

4697 0772 0457 9151 7363 2253 6728 1071 1106 0814  
6170 3639 7613 1549 3615 0689 2376 7754 6439 6839  
1606 4954 3911 1353 3219 3681 9312 0927 7050 8388  
9265 1684 2956 4009 9212 2622 5310 2378 0891 5464  
5242 5249 1033 7780 1180 1323 3298 2313 6745 2643  
5992 4460 2169 8289 9809 9134 1590

4697 0772 0457 9151 7363 2253 6728 1071 1106 0814  
6170 3639 7613 1549 3615 0689 2376 7754 6439 6839  
1606 4954 3911 1353 3219 3681 9312 0927 7050 8388  
9265 1684 2956 4009 9212 2622 5310 2378 0891 5464  
5242 5249 1033 7780 1180 1323 3298 2313 6745 2643  
5992 4460 2169 8289 9809 9134 1590

4697 0772 0457 9151 7363 2253 6728 1071 1106 0814  
6170 3639 7613 1549 3615 0689 2376 7754 6439 6839  
1606 4954 3911 1353 3219 3681 9312 0927 7050 8388  
9265 1684 2956 4009 9212 2622 5310 2378 0891 5464  
5242 5249 1033 7780 1180 1323 3298 2313 6745 2643  
5992 4460 2169 8289 9809 9134 1590

4697 0772 0457 9151 7363 2253 6728 1071 1106 0814  
6170 3639 7613 1549 3615 0689 2376 7754 6439 6839  
1606 4954 3911 1353 3219 3681 9312 0927 7050 8388  
9265 1684 2956 4009 9212 2622 5310 2378 0891 5464  
5242 5249 1033 7780 1180 1323 3298 2313 6745 2643  
5992 4460 2169 8289 9809 9134 1590

#### **18-10**

Rare null message from station 3 today.

"At this time, we don't have messages for you. Thank you for listening, wishing you health and happiness. See you."

#### **18040 kHz, 20-10, 0000 UTC. New Star Broadcasting. Station 1**

Unit IDs: 3698, 3745, 3935, 3990, 4037

Group Counts: 30, 31, 38, 30, 32

0313 8609 2025 2728 6715 3186 1617 3722 4256 0820  
4747 0705 8407 0597 2932 9171 3678 7745 3278 6976  
8440 7179 3066 1626 3294 4659 2466 8255 2790 4817

8742 2872 7726 9763 4924 8878 8271 0202 1410 1434  
5007 0216 5928 0096 7744 6505 7704 7080 5574 2060  
6810 5927 9553 6439 9982 2437 6760 2956 0858 7722  
4952

5099 5732 9530 6847 3386 0076 7052 9888 7739 7494  
1976 1436 9135 7841 5892 8646 6893 2878 0936 6288  
2799 8770 1612 2731 5436 9606 1743 1570 2680 1774  
5767 4981 2851 1559 6097 7396 7463 0803

0597 1065 7954 8058 3815 6119 4367 7407 4938 3412  
8187 8169 1413 0934 0671 0602 1938 6728 2274 5702  
2544 3658 8370 3145 3148 6563 6921 9029 3186 4786

7666 7404 5519 7235 4116 5420 5957 8804 6688 1123  
4716 4036 1147 0538 5485 6733 0807 9216 8386 6813  
9269 2772 7008 7344 4999 6637 1582 2299 9464 3648  
1266 9868

*Note: Messages 2 through 5 are identical to the September 7th messages, just sent to different units. There are a few slight*

*differences in message 1, but for the most part the content is the same. I wonder why?*

**20025 kHz, 20-10, 0100 UTC. New Star Broadcasting. Station 4**

Unit IDs: 1567, 5150, 5876

Group Counts: 33, 32, 35

1058 7234 3168 5045 4314 6529 1268 3970 6377 7863  
6890 9516 9296 2112 0879 8285 6516 6052 7704 9370  
6297 2815 8606 8018 2614 1783 8761 5184 2576 1038  
2015 9514 5087

2317 1578 2977 6666 0372 4551 0312 4114 9165 6888  
1193 6072 7090 0176 2654 2136 1243 5797 1678 5160  
9327 1739 4830 5093 1255 8925 0554 5686 2189 2763  
8407 3613

0306 5470 4451 1292 2732 3292 7787 8860 0528 5207  
8994 1812 8694 5670 5320 0417 2417 0471 5186 6064  
0103 6164 7527 6534 5707 3482 1388 3562 4143 4817  
7816 0466 5626 8793 6057

**18040 kHz, 20-10, 0130 UTC. New Star Broadcasting. Station 3**

Unit IDs: 4392, 4508

Group Counts: 57, 57

4697 0772 0457 9151 7363 2253 6728 1071 1106 0814  
6170 3639 7613 1549 3615 0689 2376 7754 6439 6839  
1606 4954 3911 1353 3219 3681 9312 0927 7050 8388  
9265 1684 2956 2956 4009 9212 2622 5310 2378 0891  
5464 5242 5249 1033 7780 1180 1323 3298 2313 6745  
2643 5992 4460 2169 8289 9809 9134 1590

4697 0772 0457 9151 7363 2253 6728 1071 1106 0814  
6170 3639 7613 1549 3615 0689 2376 7754 6439 6839  
1606 4954 3911 1353 3219 3681 9312 0927 7050 8388  
9265 1684 2956 2956 4009 9212 2622 5310 2378 0891  
5464 5242 5249 1033 7780 1180 1323 3298 2313 6745  
2643 5992 4460 2169 8289 9809 9134 1590

*Note: identical messages to the ones sent last week, just addressed to different units.*

**8300 kHz, 20-10, 0200 UTC. New Star Broadcasting. Station 2**

Unit IDs: 1164, 8735, 8918

Group Counts: 32, 34, 35

6537 3106 5573 7682 4080 9246 7002 1930 0034 5328  
1923 4721 5488 9259 2739 7355 3718 8493 6697 2593  
2341 4186 2318 2356 8066 9470 9311 9467 5745 6833  
1858 7512

2037 2758 6852 4165 9917 1894 6556 3868 5658 5978  
8719 4913 1396 3015 2241 0505 1603 4186 3660 7273  
9466 2132 0544 0081 6475 4841 8478 8737 0085 8926  
2531 0239 7745 9618

1652 4637 0104 2118 1992 0932 3845 7820 0588 7683  
6244 1765 6268 4503 5182 4560 8067 7648 2011 3382  
8559 9640 7527 4162 2670 7628 3467 2956 8760 3012  
8398 0982 2966 3745 1858

**8169 kHz, 22-10, 0200 UTC. New Star Broadcasting. Station 1**

Unit IDs: 4635, 5452, 5985

Group Counts: 34, 30, 32

2368 6463 9962 7488 3166 9522 5657 3625 6673 5048  
0813 6203 4975 1941 5604 1311 7303 2400 0015 0791  
9490 0511 5657 0064 1901 5140 1898 4664 1754 8513  
5285 5065 6228 0840

8344 2765 7738 2805 0357 9354 6663 6990 7807 3893  
7626 1326 8779 1715 3014 7121 3584 1442 3219 8922  
9966 7387 1246 9663 3261 2204 8542 3880 3753 5729

8956 4988 0387 7850 8941 7637 3289 6262 3392 8042  
6716 7883 8090 8656 9874 6324 0743 3348 5319 2754  
5389 8590 7593 5798 1120 2692 2831 9987 2416 4677  
3745 4450

*Note: station 1 appears to follow an updated message schedule. V13a broadcasts occur at 0:00 through 1:30. Standard format messages occur at 2:00 through 3:30.*

**20025 kHz, 24-10, 1100 UTC. New Star Broadcasting. Station 5 (Thanks CryptLab!)**

Unit IDs: 3753, 4975, 9255

Group Counts: 32, 33, 35

5016 9124 8863 5669 2650 4087 9394 0613 0021 6284  
0838 9917 3727 4031 1064 9542 5993 8679 8199 0457  
3187 7664 7549 3923 7030 4774 1540 2421 3994 5111  
8338 7295

4947 7040 5965 9073 2283 6177 3712 0546 3472 1057  
2954 0664 0593 4187 3093 6612 4530 0196 2726 7747  
9528 1258 2805 5352 0499 3334 7669 2660 8774 2681  
9719 8086 0490

2099 1986 0829 6951 7038 3047 5761 7010 5791 2798  
0851 1516 9413 0852 6403 5644 6601 2635 0262 7433  
3463 4969 9532 1011 0391 6613 6659 5881 7999 3126  
4272 6812 2167 3643 4633

**15890 kHz, 27-10, 0000 UTC. New Star Broadcasting. Station 3**

Unit IDs: 6759

Group Counts: 57

4697 0772 0457 9151 7363 2253 6728 1071 1106 0814  
6170 3639 7613 1549 3615 0689 2376 7754 6439 6839  
1606 4954 3911 1353 3219 3681 9312 0927 7050 8388  
9265 1684 2956 2956 4009 9212 2622 5310 2378 0891  
5464 5242 5249 1033 7780 1180 1323 3298 2313 6745  
2643 5992 4460 2169 8289 9809 9134 1590

*Note: identical message to last week, but addressed to a different unit.*

**20025 kHz, 27-10, 0100 UTC. New Star Broadcasting. Station 4**

Unit IDs: 0182, 0681, 2126

Group Counts: 32, 34, 33

9305 3676 8508 2141 5744 4878 1530 9778 7050 0644  
8010 6708 3311 0674 2309 9515 6109 3106 5794 3695  
5052 3377 2719 3855 9556 0386 8565 9747 0306 5747  
5219 5836

4199 9330 2746 0252 6342 0630 1591 7228 3897 0357  
2220 2370 0887 9667 5657 6708 8029 8919 7135 6216  
8893 3287 9657 2458 6439 1694 0057 2127 7410 2266  
5734 8805 7749 5839

2141 9396 9633 6213 1970 1953 7502 2963 2404 8206  
1583 9305 1335 9071 3558 5678 0574 2880 9209 0185  
2041 2486 9641 8336 5815 8981 7083 8097 8272 4570  
8173 0752 8113

**18040 kHz, 28-10, 0000 UTC. New Star Broadcasting. Station 1 (V13a)**

Unit IDs: 9222

Group Counts: 31

1872 1854 0631 0850 1063 6780 3066 0800 4768 7675  
7884 2639 7446 4915 0352 8231 5346 1961 6057 7498  
3367 0346 0429 4151 8722 2957 4322 2838 9189 5591  
6156

*Note: this exact same message was sent to this same unit on October 13th. Perhaps the unit missed the first play of the message.*

**8300 kHz, 28-10, 0200 UTC. New Star Broadcasting. Station 2**

Unit IDs: 0671, 6977, 8072

Group Counts: 34, 34, 33

4496 6285 1714 4642 2813 0765 5414 7455 5973 3857  
8010 6429 2452 3727 7253 0784 0648 8642 9379 7793  
9875 0250 5741 8887 1221 8784 0754 3222 0498 0229  
3155 4359 1865 3303

4445 3668 9567 6998 9442 7804 8282 9851 4784 2888  
3936 9960 6148 2879 2682 0512 5487 2708 1011 3165  
8346 0993 1730 9523 1467 1464 5852 0811 7675 7068  
2559 6042 5721 9182

1082 5046 2800 9347 7417 9111 3843 2718 3528 4506  
3625 7473 1817 3595 9597 3508 0436 7620 4203 2208  
6806 3380 9935 0387 1413 7808 9386 8492 9110 7552  
6626 5381 7895

**8169 kHz, 29-10, 0200 UTC. New Star Broadcasting. Station 1**

Unit IDs: 1582, 3351, 8548

Group Counts: 33, 32, 32

3006 6424 2462 5543 6707 0506 7856 8390 8681 3585  
3588 8194 9321 7826 4858 1944 0857 0975 9923 0569  
6924 6907 2485 9775 7102 7366 4300 6565 0137 2308  
5516 4263 3847

1682 6056 4421 3077 2835 6053 8813 9660 6294 6307  
0549 4166 2676 9713 8514 7631 6742 4565 7145 4609  
0204 8030 4548 1192 8184 8112 7232 6295 0006 7677  
2556 0492

5642 8972 8293 4755 3705 7285 1769 3861 0931 6740  
8398 9211 2499 2313 0877 5925 1000 8374 0865 5247  
9258 1928 4799 4591 4184 8806 6042 9456 5196 9103  
5551 9144

***VC01 – a.k.a. Chinese Robot (Chinese Air Defense)***

7207 kHz, 07-10, 1024 UTC, USB

6025 kHz, 09-10, 1100 UTC, LSB

6025 kHz, 10-10, 1154 UTC, LSB

## M01

### 5475 kHz, 01-10, 1800 UTC. Groups 5 and 30 were not repeated

463 101 101 30 30 = =  
76879 89004 67852 57748 11223 75580 84329 75433 77480 33811  
78512 74883 75741 65780 87341 67441 75822 46372 37163 83400  
75849 98437 74892 12389 63487 87231 64380 94230 53480 57211  
= = 101 101 30 30 000

### 5020 kHz, 01-10, 2000 UTC

463 069 069 30 30 = =  
76899 57556 36361 74832 87422 12333 34567 90092 75489 78500  
75368 44632 44671 64720 94724 76340 56345 38390 75822 48110  
76480 88490 90041 48397 43277 43282 13323 34675 76231 74901  
= = 069 069 30 30 000

### 5475 kHz, 03-10, 1800 UTC. Different repeat in red

463 015 015 30 30 = =  
85932 85994 75539 87430 78303 **783036** 87345 23411 87210 98992 93459  
78435 62480 34571 76435 24311 56400 57058 88431 74821 64288  
48530 74290 84425 74551 78341 87748 55641 87422 33433 74800  
= = 015 015 30 30 000

### 5020 kHz, 03-10, 2000 UTC

463 100 100 30 30  
75849 76883 21312 34576 34586 89230 98540 87122 76341 67231  
75832 76230 87432 67531 58531 99472 97235 42357 86742 09129  
67403 34583 24356 64312 56380 78543 46248 56561 87011 90432  
= = 100 100 30 30 000

### 6260 kHz, 05-10, 1500 UTC

463 821 821 30 30 = =  
61528 52430 52891 62539 41329 64528 56274 69021 46275 34289  
31905 71618 35264 57253 85902 84614 56285 79273 95312 51329  
84513 56290 57243 83512 17185 92635 51724 58925 49204 53212  
= = 821 821 30 30 000

### 6510 kHz, 06-10, 0700 UTC

463 956 956 30 30 = =  
84532 75439 77120 77312 95675 77563 88254 93412 99054 66324  
93451 77231 98675 88342 94533 76623 88432 77124 99342 00125  
94536 00124 77321 99453 77425 88563 99424 88465 1200 68003  
= = 956 956 30 30 000

### 5020 kHz, 08-10, 2000 UTC

463 498 498 30 30 = =  
61439 68145 96823 85786 52435 75908 91826 65742 12985 32874  
08912 61428 59253 52317 56245 89562 64587 87985 42354 75640  
41389 78452 54613 78532 71423 89582 53418 64518 74613 89572  
= = 498 498 30 30 000

### 6260 kHz, 12-10, 1500 UTC

463 127 127 30 30 = =  
64518 56253 78915 34178 45139 57142 86089 62417 48924 56738  
41278 46258 89854 52317 45289 50603 41217 74528 58705 42375  
52618 46284 75924 40879 62507 72548 43284 62574 81936 61428  
= = 127 127 30 30 000



**5475 kHz, 15-10, 1800 UTC**

463 822 822 30 30 = =  
 61528 48096 52417 45185 24137 59254 67092 56137 31215 68794  
 61894 52745 69078 54653 76897 64512 42906 98653 12457 41968  
 28374 97531 24681 42784 69251 46569 42318 57254 69264 67139  
 = = 822 822 30 30 000

**5020 kHz, 15-10, 2000 UTC**

463 413 413 30 30 = =  
 61783 46247 41628 43895 41782 34769 45178 24367 90805 32617  
 65823 45629 45178 24156 23548 69852 71893 48592 51628 45194  
 61782 61735 42367 45178 34165 24389 46591 23905 47821 74892  
 = = 413 413 30 30 000

**5475 kHz, 17-10, 1800 UTC**

463 254 254 30 30 = =  
 18456 66324 88564 99342 92433 72311 73566 03400 95400 88329  
 84355 77213 56432 99342 88342 00453 00546 84533 92311 88345  
 84532 88564 77342 77456 87453 99324 77342 99123 95640 00560  
 = = 254 254 30 30 000

**5020 kHz, 17-10, 2000 UTC**

463 (R2m30) silence (5m21s)  
 8 3 88121 99233 74550 99450 77342 71234  
 = = 468 468 30 30 000

**6260 kHz, 19-10, 1500 UTC**

463 019 109 30 30 = =  
 86950 93827 19048 75849 30291 75289 84736 29185 97865 03928  
 09583 72657 84937 62718 95048 73829 75640 27584 83724 10293  
 03928 90493 76588 47382 10597 83920 38574 93027 61758 94837  
 = = 019 019 30 30 000

**6510 kHz, 20-10, 0700 UTC**

463 539 539 30 30 = =  
 75640 28105 93027 54912 95847 38829 19584 73928 74389 82712  
 74830 92018 75489 03927 61745 83920 76512 87834 09834 98471  
 19048 75847 94873 38275 94837 10438 65623 96857 30923 86758  
 = = 539 549 30 30 000

**5475 kHz, 22-10, 1800 UTC. Errors in red**

463 123 123 30 30 = =  
 48372 95847 83721 12374 63758 02948 75638 75938 27676 **8574 857**  
 95857 84726 09890 57847 33787 92817 54927 61548 03927 91027  
 65840 39281 75648 93728 94837 93817 49302 **171181148 4736543 3643**  
 = = 123 123 30 30 000

**5020 kHz, 22-10, 2000 UTC. Group 18 was not repeated**

463 095 095 30 30 = =  
 86903 92817 57849 58726 09584 71039 89850 49382 35740 83201  
 86940 38726 81958 74637 82756 74830 19284 74743 96899 30291  
 86758 94039 82716 75647 12348 94837 05948 89039 95868 90987  
 = = 095 095 30 30 000

**5475 kHz, 24-10, 1800 UTC**

463 097 097 30 30 = =  
 65428 65478 37122 75482 45009 90348 48321 75432 87699 74312  
 47657 46578 34588 78900 87565 43265 78451 75430 99884 74441  
 65734 66321 85589 34551 67346 77549 32421 34579 85995 75438  
 = = 097 097 30 30 000

**6260 kHz, 26-10, 1500 UTC**

463 178 178 30 30 = =

93462 81232 99453 88453 77342 88564 84352 92310 77453 88342  
95647 83425 85564 88342 91231 00231 84534 74352 88123 99345  
94325 88342 88435 94556 01232 66342 99564 83455 72314 48564  
= = 178 178 30 30 000

#### **6510 kHz, 27-10, 0700 UTC**

463 243 243 30 30 = =  
89054 83792 85746 38958 47291 03928 50396 38291 75839 02918  
86475 87869 55746 21543 01903 96857 36271 86725 93892 05903  
68473 92817 58372 95837 20094 28576 49281 75649 30299 18693  
= = 243 243 30 30 000

#### **5475 kHz, 29-10, 1800 UTC**

463 290 290 30 30 = =  
84533 95645 00233 85463 77543 99120 85632 88341 85612 99104  
01647 88316 88391 77432 72044 61645 99231 00453 66245 88374  
01264 77342 88453 88324 66547 84533 61234 93420 99142 00453  
290 290 30 30 000

#### **5020 kHz, 29-10, 2000 UTC**

463 632 632 30 30 = =  
01232 88456 74352 88453 88231 05432 88342 88453 88231 67566  
01232 77435 77231 99453 00231 85644 83455 03400 91299 88342  
01923 77342 88435 88435 88233 99450 98176 66547 73421 00231  
= = 632 632 30 30 000

## **M12**

11519/12194/13407 kHz, 1100/1120/1140 UTC

#### **11519/12194/13407 kHz, 01-10, 1100/1120/1140 UTC**

289 289 289 1 9939 64 9939 64  
49669 72341 28216 24095 38336 45400 13973 36242 12626 38374  
23778 32523 13064 32254 87899 75714 81667 57858 86966 12861  
76919 33796 04338 81941 88319 03059 35609 45474 06575 04071  
06676 55578 52625 56890 60207 95829 03418 14747 34986 24954  
86622 19940 90787 30452 03475 19509 39235 81355 57886 74873  
44821 15756 48224 45872 22415 15872 68003 46273 35774 35276  
09791 68498 29667 08554 000 000

#### **11519/12194/13407 kHz, 08-10, 1100/1120/1140 UTC**

289 289 289 1 3908 62 3908 62  
19932 26355 11584 62250 11708 95558 04060 99300 89485 70090  
70801 98482 48258 06459 25358 12501 49153 99253 50842 44179  
00544 35670 54392 53074 56609 42834 88508 02908 98798 03270  
61316 34056 62398 66624 32056 14609 64945 03117 52673 50544  
28843 46764 94550 92363 86041 80498 44310 09755 85346 72689  
54422 99519 43352 04946 76387 84261 71961 19208 05640 68872  
07050 01152 000 000

#### **11519/12194/13407 kHz, 15-10, 1100/1120/1140 UTC**

289 289 289 1 3248 63 3248 63  
80706 07755 98339 01503 25670 75011 94369 67789 44657 16448  
59187 95469 63742 84716 19022 85552 27937 34199 73890 13705  
25758 69212 12060 56136 31297 58591 69461 14776 57424 67300  
35421 05964 86688 16743 46040 81561 97717 66954 86629 17509  
51461 52347 07505 82557 61121 47007 72695 08613 72671 13536  
67967 98862 59661 16105 63333 11494 95694 42203 70204 67077  
05549 79592 10364 000 000

**11519/12194/13407 kHz, 22-10, 1100/1120/1140 UTC**

289 289 289 1 5268 64 5268 64  
91526 00535 07011 49821 29479 36778 79296 74249 34156 01468  
33242 15792 04119 51778 35382 60611 47670 76361 52294 99033  
39530 09951 32892 53296 45800 75697 23094 93197 26772 10909  
27483 65275 22459 40154 91972 68689 57802 76401 90257 89417  
12472 86225 02708 72827 19967 88567 12515 36463 73043 69793  
27981 33257 57190 20235 52497 81574 67682 53714 04020 53780  
13684 86098 47477 23246 000 000

**11519/12194/13407 kHz, 29-10, 1100/1120/1140 UTC**

289 289 289 1 2861 58 2861 58  
99670 96564 30356 42675 83815 92930 97687 50202 43946 46035  
82496 14490 12800 14633 09928 68479 03543 30586 13375 40760  
15611 60728 53023 81604 04479 87576 49201 11680 59559 48781  
24745 55865 21256 49626 85108 60377 38851 44259 59069 62566  
16813 74259 49756 33272 72534 77543 80626 60030 05613 48520  
87738 87407 80277 33462 21432 38941 43541 48750 000 000

**11135/10235/9235 kHz, 1900/1920/1940 UTC****11135/10235/9235 kHz, 02-10/04-10/09-10/11-10, 1900/1920/1940 UTC**

122 122 122 1 174 109 174 109  
50571 85080 03167 34833 78604 64686 41429 22205 09316 86169  
16203 07922 17093 88622 50459 93590 59000 93581 66525 91618  
58532 11818 26583 80527 10846 13669 45843 44334 24448 90384  
28872 32021 15858 73021 21892 06916 09637 76385 95587 87695  
28352 70415 03895 86679 43935 95130 50048 12965 00301 56392  
07324 32640 61300 44701 72786 62607 00170 84018 71026 34942  
78418 75824 68676 99540 18569 29246 49539 15893 06985 20393  
12343 65467 17080 09747 85244 47230 66253 66076 85167 46560  
97988 62267 38049 20308 79056 23029 65282 05668 80818 05247  
19342 76880 06292 30785 29674 20930 03206 61518 46185 44849  
?5712 45083 69109 93859 93948 0E442 67125 92621 42912 000 000

**11135/10235/9235 kHz, 23-10/25-10/30-10, 1900/1920/1940 UTC**

122 122 122 1 2672 85 2672 85  
07877 35482 67340 27897 78022 08538 52373 10362 96749 29556  
05425 61627 43536 39401 20426 31116 05652 35267 20982 68402  
37243 81606 17332 81271 91823 63808 89947 77055 34629 03265  
82564 86155 37306 99384 82393 61044 50244 65975 63313 94311  
69727 25345 00799 26146 82258 23586 72750 34732 55968 08159  
32155 78806 56509 86556 09142 35737 29428 94052 04332 35938  
79716 49047 16158 29932 59928 56865 22458 00373 31480 81801  
53465 64449 02214 45827 78704 35632 15866 27964 45392 30804  
98297 54628 43272 11018 96719 000 000

**11435/10598/9327 kHz, 1800/1820/1840 UTC****11435/10598/9327 kHz, 03-10, 1800/1820/1840 UTC**

938 938 938 1 2674 76 2674 76  
37908 96039 66030 20975 90926 61415 64624 54228 76319 13937  
64992 86617 83789 22037 22668 77292 88598 32879 76678 46317  
08935 82189 41780 23093 03312 23932 73624 50615 02691 73331  
16408 78724 25203 17067 78645 97976 65592 20084 63277 56715  
01095 08944 01580 99882 12131 39764 80518 36150 13364 27397  
30144 13211 61030 80342 09664 55717 54258 42937 17663 66994  
87790 13008 51436 02987 97527 86267 61413 66722 43400 24691  
11699 68513 69601 19962 45221 99989 000 000

**11435/10598/9327 kHz, 10-10, 1800/1820/1840 UTC**

398 398 398 1 4370 80 4370 80  
67208 64287 15757 26274 75970 59566 06999 25258 57029 50701  
39882 84510 13424 48839 88638 38466 95164 26654 42676 47874  
29415 12243 74756 30284 36580 22005 25140 53377 95491 03832  
19502 81789 05719 04287 32907 66039 97099 32203 09011 75621  
90323 77929 77244 77767 29128 57942 85820 55635 81056 15972  
61824 42923 24888 74017 24395 54964 89530 85471 89691 53966  
34425 53620 29766 53197 31198 58092 78790 09146 15931 2?597  
41366 62961 18642 67053 57549 51484 33898 96987 01156 78637  
000 000

**11435/10598/9327 kHz, 17-10, 1800/1820/1840 UTC**

938 938 938 1 7650 84 7650 84  
79412 21814 81506 15636 10722 20466 41640 25336 86263 82400  
88951 41497 76360 43146 11772 72178 11289 31977 76157 12714  
94860 54003 65562 86363 62074 14000 23116 93714 16740 91965  
24536 42330 84313 20742 08895 95504 47926 27988 64674 38723  
32293 52859 45976 08447 93326 35509 04510 29087 70560 04282  
89924 95917 76444 89642 95398 25408 56250 95142 53560 96721  
97348 47924 08595 94278 47964 46720 57183 55617 34251 16267  
24251 83299 67301 37433 80419 42000 08026 56114 93036 26565  
09490 94028 33154 12456 000 000

**11435/10598/9327 kHz, 24-10, 1800/1820/1840 UTC**

938 938 938 1 5948 80 5948 80  
82725 42169 94816 10951 87450 61658 06118 02926 86435 18205  
37629 61189 68198 42837 32503 67942 86692 62039 31938 49688  
94408 04182 37548 71497 68658 91668 77936 17695 55095 22820  
51268 12478 87004 16451 43363 16747 07270 23166 77977 29530  
13823 29247 90469 09712 58927 49085 62424 65095 85908 45712  
79139 65442 52443 66612 60555 78542 04621 23318 42291 95780  
83720 88421 47829 63615 66935 25150 74183 51746 99468 15756  
60671 63525 84060 02408 35864 65160 13712 27836 12570 19572  
000 000

**11435/10598/9327 kHz, 31-10, 1800/1820/1840 UTC**

938 938 938 1 7508 82 7508 82  
99525 40666 75666 68832 18427 15699 65587 77649 38611 83130  
84549 97084 97897 62826 50117 23982 32085 46264 27646 18361  
33162 09458 83534 59326 73147 90716 40297 25072 98831 71856  
09873 15361 73961 26476 91679 90067 53950 94915 07029 83191  
82839 61691 23744 84164 28820 82548 02606 79970 12319 41205  
10732 95745 44898 38772 39153 90067 57130 16340 95683 27709  
75400 40514 71817 66754 73256 69188 23122 71421 71145 60049  
60031 37168 39234 34453 35520 71470 85713 99369 30506 90598  
88109 60425 000 000

<b>10318/9218/8118 kHz, 2000/2020/2040 UTC</b>
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**10318/9218/8118 kHz, 07-10/10-10, 2000/2020/2040 UTC**

178 178 178 1 4447 97 4447 97  
10292 00975 67525 80716 66457 52583 92982 81588 31179 79708  
97244 88557 26422 96891 87645 03315 67206 09950 38216 69855  
28038 00483 04532 62624 66477 90163 02635 22180 61226 28965  
81133 37215 97320 22958 62376 93071 32603 10957 90046 83549  
13824 70904 59670 31125 13680 33056 37451 17235 73580 02070  
76601 03873 13320 68208 17933 31790 01421 51582 32974 91845  
96574 17472 59625 62100 71022 01776 58513 90993 62526 54500  
27021 15225 99485 39205 75368 20241 14184 12719 23884 29119  
77701 49131 77889 79754 70782 95632 89411 64962 14471 90251  
10442 96641 64313 37353 73500 14478 64967 000 000

**10318/9218/8118 kHz, 21-10/24-10, 2000/2020/2040 UTC**

178 178 178 1 2087 33 2087 33  
 33792 23253 40512 59058 71490 13146 09819 67583 60005 06838  
 80108 04363 95068 35221 58495 99055 47620 40728 30803 76336  
 60644 83038 80617 79331 64921 89989 48191 12848 24956 88089  
 78031 08406 43593 000 000

12217/11517/10417 kHz, 2310/2330/2350 UTC

**12217/11517/10417 kHz, 16-10, 2310/2330/2350 UTC**

254 254 254 1 4036 49 4036 49  
 47479 57716 29781 24791 48208 98863 38003 97561 09620 01598  
 93076 75399 26779 40289 06332 43972 19606 30035 15658 64600  
 52863 29192 09221 22731 19691 13116 58587 75968 66501 41642  
 56343 30847 62914 79965 19942 01097 51023 56956 02031 73138  
 85102 39186 05149 44706 08123 86500 38516 90581 08417 000 000

**M14****10755 kHz, 13-10, 1440 UTC**

975 (R3m29), 14s silence, 975 (R1m7s) 328 328 60 60 = =  
 45167 04273 64526 32418 44966 97978 63549 64668 15233 11091  
 21503 33874 45836 23985 70409 25896 69858 95989 51526 45048  
 73988 61115 12708 (34s silence)  
 975 (R1m18s)  
 45048 73988 61115 12708 94638 69953 28946 31639 86897 12919  
 20404 13388 24487 77802 93056 35715 20790 29431 35670 40566  
 51141 47489 36682 95204 52216 92187 56290 71399 11746 21585  
 56844 16125 15751 96520 71221 12198 45482 34069 13880 52300  
 41261  
 = = 328 328 60 60 00000

**Full recomposed message:**

975 328 328 60 60 = =  
 45167 04273 64526 32418 44966 97978 63549 64668 15233 11091  
 21503 33874 45836 23985 70409 25896 69858 95989 51526 45048  
 73988 61115 12708 94638 69953 28946 31639 86897 12919 20404  
 13388 24487 77802 93056 35715 20790 29431 35670 40566 51141  
 47489 36682 95204 52216 92187 56290 71399 11746 21585 56844  
 16125 15751 96520 71221 12198 45482 34069 13880 52300 41261  
 = = 328 328 60 60 00000

**10755 kHz, 17-10, 1555 UTC**

975 284 284 60 60 = =  
 11249 34395 27229 24000 31359 13019 07504 45049 54414 14518  
 31936 81100 50132 00336 47075 36561 73789 88244 23690 49811  
 15050 90203 14817 27228 86722 49930 12350 69854 76908 97355  
 88095 22444 12959 62173 30244 99548 10683 13651 11181 68356  
 07260 18901 47595 92941 01266 36794 38796 69639 48273 89707  
 94203 08215 85457 80289 (1m15s silence)  
 975 (R)  
 94203 08215 85457 80289 85925 38519 83641 45435 87376 47329 (10s silence)  
 975 (R) ( 6s silence)  
 975 (R)  
 85925 38519 83641 45 (1m11s silence)  
 975 (R)  
 08215 85457 80289 85925 38519 83641 45435 87376 47329  
 = = 284 284 60 60 00000

**Full recomposed message**

975 284 284 60 60 = =  
11249 34395 27229 24000 31359 13019 07504 45049 54414 14518  
31936 81100 50132 00336 47075 36561 73789 88244 23690 49811  
15050 90203 14817 27228 86722 49930 12350 69854 76908 97355  
88095 22444 12959 62173 30244 99548 10683 13651 11181 68356  
07260 18901 47595 92941 01266 36794 38796 69639 48273 89707  
94203 08215 85457 80289 85925 38519 83641 45435 87376 47329  
= = 284 284 60 60 00000

**10754.9 kHz, 22-10, 1150 UTC. Test carrier****10755 kHz, 22-10, 1200 UTC. Two series of fast beeps****M41d: 10755 kHz, 22-10, 1200 UTC**

975 40132 (R3m15s) 975 [14s silence]  
75 975 40132 (R1m) 826 826 43 43 = =  
52106 02989 74786 50026 79096 71829 12555 27299 10654 70733  
88342 91002 45068 83725 50165 20631 51949 91573 70439 21220  
46194 95375 09949 21914 92890 32444 23222 15421 59305 74851  
66521 86185 74206 [32s silence]  
975 (R15s)  
9 [9s silence]  
975 (R50s)  
15421 59305 74851 66521 86185 74206 03456 23689 61003 84521  
92711 41087 17180 46352 17334 24155  
= = 826 826 43 43 00000

**Full recomposed message:**

975 40132 826 826 43 43 = =  
52106 02989 74786 50026 79096 71829 12555 27299 10654 70733  
88342 91002 45068 83725 50165 20631 51949 91573 70439 21220  
46194 95375 09949 21914 92890 32444 23222 15421 59305 74851  
66521 86185 74206 03456 23689 61003 84521 92711 41087 17180  
46352 17334 24155  
= = 826 826 43 43 00000

---

**12221 kHz, 01-10, 0500 UTC****10243 kHz, 01-10, 0520 UTC. 952 (R4m), 3 mins silence, then the rest.**

952 106 106 53 53 = =  
45499 42935 10172 08977 52767 28760 60078 29126 40092 65766  
84422 34406 19342 01547 37442 52423 85644 72263 77566 38389  
05372 36314 04474 04147 80001 87386 93118 32056 34291 89092  
35665 28427 02213 98381 27277 96198 09077 69899 56683 31536  
73280 58496 87474 74042 76125 62071 41053 65280 73145 71930  
17187 95266 45362  
= = 106 106 53 53 00000

**12221/10243 kHz, 02-10/03-10, 0500/0520 UTC**

952 348 348 27 27 = =  
80802 23055 90738 46341 10709 91375 49229 37981 38558 47526  
57762 35842 85392 77063 20847 21144 25646 68831 41085 73766  
68071 88348 29835 44316 09811 16913 46482  
= = 348 348 27 27  
952 610 610 31 31 = =  
67898 12431 99379 59795 36321 46803 41433 65434 63553 88989  
36686 34321 26083 67012 28168 71130 69912 99004 22486 62869  
74975 84217 87884 87955 94271 67123 19995 63669 84886 61580  
04932  
= = 610 610 31 31 00000

**12221/10243 kHz, 04-10, 0500/0520 UTC**

952 952 952 00000

**12221/10243 kHz, 07-10/08-10, 0500/0520 UTC**

952 834 834 52 52 = =

13055 04286 96413 45748 04950 33954 20626 70666 71393 88208  
66053 88405 12222 48631 27597 83409 74346 48190 37160 25515  
33581 74135 46888 29927 13291 54983 32832 19249 13290 98763  
54946 67254 47433 74731 34378 29077 13340 55717 33984 87518  
42674 63308 52995 70161 05444 83059 71789 16957 66727 41899  
07698 03008

= = 834 834 52 52 00000

**12221/10243 kHz, 09-10, 0500/0520 UTC**

**12221 kHz, 10-10, 0500 UTC**

**10243 kHz, 10-10, 0520 UTC. 952 (R), off at 0422z, back after 39sec, off at 0523z**

952 167 167 52 52 = =

17786 30781 99662 23685 67283 54770 25069 92771 96719 90632  
91045 72285 23987 83176 73367 74770 55137 54329 15043 57133  
59053 45268 80723 11458 15277 24277 39732 98889 77156 71260  
32391 00014 17524 74858 99334 80185 49069 03094 78502 93235  
36619 33491 99490 71988 43491 53611 29959 79038 79120 67928  
53777 16218

= = 167 167 52 52 00000

**12221/10243 kHz, 14-10, 0500/0520 UTC**

**12211 kHz, 15-10, 0500 UTC. On and off, switching between CW and FSK CW. Normal after 0503z**

**10243 kHz, 15-10, 0520 UTC. On and off, switching between CW and FSK CW. Normal after 0523z**

952 304 304 51 51 = =

80175 85436 74910 01920 79124 20803 56687 44800 09897 88433  
23360 19087 77656 67349 11020 85199 59278 90833 05595 45304  
03274 64788 28362 39649 55193 13525 58671 28931 13213 76440  
11067 48629 43585 04010 08982 46264 10636 26524 22212 37486  
01000 94029 60339 41966 46785 10892 39308 84992 77350 13426  
63321

= = 304 304 51 51 00000

**12221 kHz, 16-10, 0500 UTC. Not monitored**

**10243 kHz, 16-10, 0520 UTC**

952 643 643 29 29 = =

53956 66363 86878 84494 86100 78286 67638 19709 47667 55676  
12821 89035 72580 77799 41973 81286 35346 44404 64946 76274  
62739 02915 61612 52092 13950 17907 72985 09521 46370

= = 643 643 29 29

952 718 718 26 26 = =

48690 63664 66175 43110 05675 12861 70138 35942 50445 17391  
84374 05957 99285 78387 88050 91548 31943 08415 88208 23990  
60118 17721 69754 71146 14821 94723

= = 718 718 26 26 00000

**12221 kHz, 17-10, 0500 UTC. Same messages as yesterday but in reverse order**

**10243 kHz, 17-10, 0520 UTC. Briefly FSK CW at the start. Same messages as yesterday but in reverse order**

952 718 718 26 26 = =

48690 63664 66175 43110 05675 12861 70138 35942 50445 17391  
84374 05957 99285 78387 88050 91548 31943 08415 88208 23990  
60118 17721 69754 71146 14821 94723

= = 718 718 26 26

952 643 643 29 29 = =

53956 66363 86878 84494 86100 78286 67638 19709 47667 55676  
12821 89035 72580 77799 41973 81286 35346 44404 64946 76274  
62739 02915 61612 52092 13950 17907 72985 09521 46370

= = 643 643 29 29 00000

**12221/10243 kHz, 18-10, 0500/0520 UTC**

952 952 952 00000

**12211 kHz, 21-10, 0500 UTC**

952 (2m31s), 56s silence =

68978 24765 85142 06074 90160 53761 42709 42680 46260 45607  
88662 55957 79714 95767 91701 21314 02103 09872 93622 90956  
65651 79976 84379 37979 27409 24214 94052 84922 35789 38244  
43886 27739 off

**12211 kHz, 22-10, 0500 UTC**

**10243 kHz, 21-10/22-10, 0520 UTC**

952 178 178 52 52 = =

68978 24765 85142 06074 90160 53761 42709 42680 46260 45607  
88662 55957 79714 95767 91701 21314 02103 09872 93622 90956  
65651 79976 84379 37979 27409 24214 94052 84922 35789 38244  
43886 27739 94164 31969 23609 91109 81196 49940 87197 76049  
32591 98887 84293 85725 13969 30821 69451 40446 39540 55132  
56405 17740

= = 178 178 52 52 00000

**12221 kHz, 23-10, 0500 UTC**

**10243 kHz, 23-10, 0520 UTC. Off after 1m55s, back at 0525 with 751 etc.**

952 751 751 26 26 = =

28598 10872 69675 08455 98014 33909 21090 85146 79445 71877  
62822 94502 84144 71561 24506 12950 48183 75018 81357 99146  
52131 91302 22537 64641 30669 69620

= = 751 751 26 26

952 417 417 30 30 = =

16991 34287 17724 38087 82709 82277 02770 99034 69139 80659  
85273 40353 15354 88387 41805 72382 09973 95759 06255 37243  
92577 60137 41661 69128 55583 82270 05796 74669 63030 36889  
= = 417 417 30 30 00000

**12221/10243 kHz, 24-10, 0500/0520 UTC**

952 630 630 28 28 = =

72758 94600 83350 84847 45258 09602 05848 23280 00486 93678  
86779 37997 95165 37043 09812 92312 43096 86882 85006 56001  
77061 75450 18505 52298 62472 60882 65153 94912

= = 630 630 28 28

952 417 417 30 30 = =

16991 34287 17724 38087 82709 82277 02770 99034 69139 80659  
85273 40353 15354 88387 41805 72382 09973 95759 06255 37243  
92577 60137 41661 69128 55583 82270 05796 74669 63030 36889  
= = 417 417 30 30 00000

The first message is new, the second one is a repeat of yesterday's message.

**12221/10243 kHz, 25-10, 0500/0520 UTC**

952 952 952 00000

**12221/10243 kHz, 28-10/29-10, 0500/0520 UTC**

952 860 860 57 57 = =

78040 55386 84055 66000 54941 98997 74337 26040 41179 06861  
15042 16190 97328 51208 02301 17739 00123 56236 48054 21550  
95601 45656 54599 55039 30482 14841 33763 93725 81219 71989  
07423 09927 36847 11954 15148 34342 08630 07985 72707 78874  
77038 60607 17871 26323 96132 96257 53246 09774 03236 87169  
23783 42714 00267 35814 30534 74751 01142

= = 860 860 57 57 00000



**12221 kHz, 30-10, 0500 UTC. 952 off after 45s, 1m26s silence and some dashes, then back to normal**

**10243 kHz, 30-10, 0520 UTC**

952 108 108 34 34 = =  
07928 83938 44018 94980 79663 62825 54239 98741 30413 19546  
69017 10047 81718 88542 69231 51621 13880 79693 21139 14102  
51839 51473 60941 72610 16786 12732 22413 18656 54421 07770  
81037 74555 75820 64405  
= = 108 108 34 34  
952 374 374 25 25 = =  
67973 70079 32514 67514 98180 62476 26990 30758 10813 18146  
20130 31673 97609 94007 62636 29213 55562 61125 15352 30303  
07852 53150 10291 88738 67076  
= = 374 374 25 25 00000

**12221/10243 kHz, 31-10, 0500/0520 UTC. Same messages as yesterday but in reverse order**

952 374 374 25 25 = =  
67973 70079 32514 67514 98180 62476 26990 30758 10813 18146  
20130 31673 97609 94007 62636 29213 55562 61125 15352 30303  
07852 53150 10291 88738 67076  
= = 374 374 25 25  
952 108 108 34 34 = =  
07928 83938 44018 94980 79663 62825 54239 98741 30413 19546  
69017 10047 81718 88542 69231 51621 13880 79693 21139 14102  
51839 51473 60941 72610 16786 12732 22413 18656 54421 07770  
81037 74555 75820 64405  
= = 108 108 34 34 00000

## ***M21 - Russian Air Defense Forces (Во́йска ПВО Voyska PVO)***

**5887 kHz, 23-10, 1610 UTC** =991910??8????? =991911??8????? =991911??8?????

**4171//5887 kHz, 25-10, 1528 UTC** =991828??8????? =12868550359328 =991829??8????? =991830??8????? =12868550352830  
=991831??8????? =991832??8????? =12868550373332 =991833??8????? =991834??8?????

**9144 kHz, 25-10, 1631 UTC** =991931??9????? =991933??9????? =991935??9?????

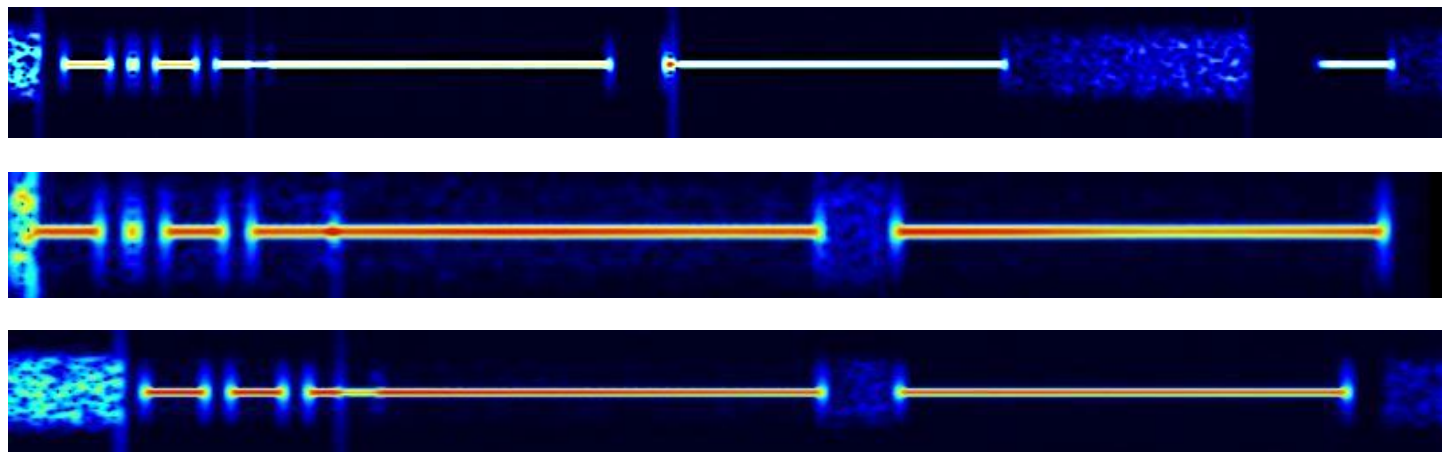
**5052.5 kHz, 25-10, 1649 UTC** =99?1949?9????? =99?1952?9????? =99?1955?9?????

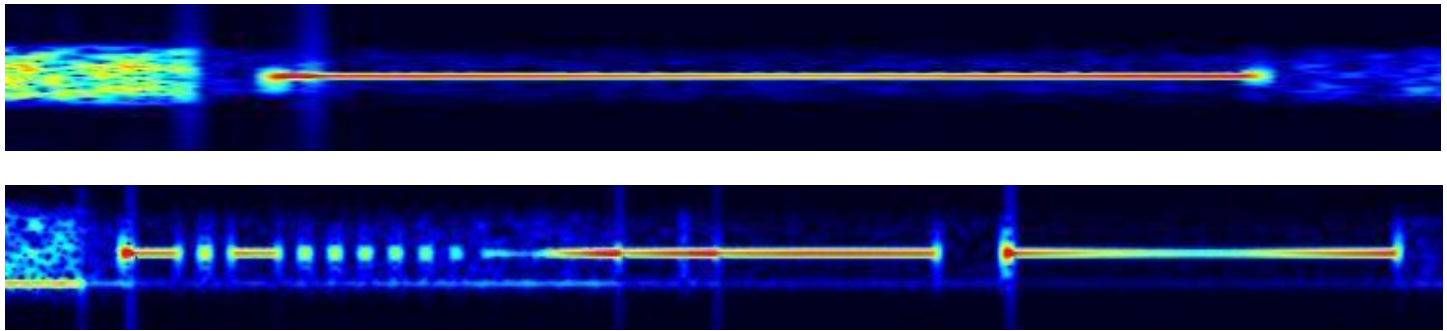
**5887 kHz, 25-10, 2057 UTC** =992359??8????? =990000??8????? =990001??8?????

## ***M23***

M23 is back with its strange messages and hourly tones. The hourly tone is broadcast 24/7 at hh59 on 10916 and 14930 kHz. M23 often sends a test tone two minutes before the broadcast starts. The tone at the end of each message is the same as an hourly tone. Both come in different variations (see below).

### **Hourly and end tones**





#### 10916 kHz

01-31 October, 0859 UTC 55550 05550 05500 55005 50505 (R18)  
Not heard / no reports on 2, 6, 7, 11 October

#### 10916 kHz

3, 4, 5 October, 1459 UTC 15081769 (R 15)

#### 6937 kHz

Probably active since October 13<sup>th</sup>.  
14-31 October, 0359 UTC 15081769 (R15)

#### 14930 kHz

14-31 October, 1159 UTC 15081769 (R15)

#### 4822 kHz

Often very weak or not audible in Holland. Probably daily active at 2259 UTC.  
Undocumented transmissions were found on October 4<sup>th</sup>, 10<sup>th</sup>, and 11<sup>th</sup> October.

14-10, 2259 UTC 50505 55550 05550 05500 55005 (R17m)  
17-10, 2303 UTC 505 and a part of a 4th digit then off .  
18-10, 2259 UTC 50505 55550 05550 05500 55005 (R17m)  
22-10, 2259 UTC 50505 55550 05550 05500 55005 (R17m)  
23-10, 2259 UTC 50505 55550 05550 05500 55005 (R17m)  
27-10, 2259 UTC 50505 55550 05550 05500 55005 (R17m)  
28-10, 2259 UTC 50505 55550 05550 05500 55005 (R17m)  
30-10, 2259 UTC Pre transmission tone at 2257z. Silence till 2302z: 05 50505 555, 3s silence, 5 (higher pitch), 16s silence, 3 dashes. Nothing else

## M51a / M51b

#### M51b: 6825 kHz, 09-10, 1540 UTC. Non-stop 5 character groups composed of M51a messages

NXMCS AQWID CVSHA KLOPI ZXASQ MVLGK OYPUI GFHDJ CSRED 16580  
VXANQ .AS, ' / LMPLOY CXRAE XVDRE NBFHG AWQES BCZXR BNFIR PGLRO  
.?. , ' BVNDJ 25890 LAPQI WNSYD VCSDW AQLFP RHFUS BCBOW NKGIR  
BXCXY 54783 NXZMA ?.VA, ' YHHDY CXDWE VNYEA AWQUV XVSEW MBFUR  
AWQLG RYUSL 14790 BAQUS .?. ,AR AJAUW XCSAR LDOEJ GMNRY XBSTW  
DSEWX VNFJE LEPWN 65874 BXYAG .,AS?VA ASZXW CHIDE KFOLG VCRWT  
CXARQ MFYRU NFNFY AEQDS 12580 NXAOL /?./, VSEWG XASZW HDJWU  
LFPRO CXWRG LSHDF CXAGS MCNUI 20136 VXAID ,.AS/= BXVSH MVKDO  
PLETX

GDFSJ ZUHDF XCAIK LOMAI PQKAU DHSJR ZTGSH BVCFX WNSJZ QKAUI  
UFOLA MPLKJ HNBVF CXHSU AJQKD XKNJI 52718 9462/ HNCVS WNSGR  
PMLDF HNERZ CXVWH ZUJSK AIKQJ HNXVS WHZRT AUJSL WOKLJ NQHDG  
YHDGS XVCHZ TSGQJ AOLQP MAUJG 27489 JNVBF XGSHA 23482 HNXVD  
SHAZJ OLDHB NCJRY DFXCS WBQHZ AJKSM QPJKV BXNDH ZUHSJ QKNHY  
GBCKR YHGBV CNDFR SJOLQ LPAMU UJHGD VWCXG DHRTZ QJNAU JKQLZ  
IKHBY DGXVC BCHUJ SKLAZ PMJKL 74538 ZUJGV XBSJZ QJNKA KLQPO  
IOBNG UHNBG VFCKO LAZSO WLKNP FVSHL MAOKP SHQJL BHDGX WVDJR  
CJNGH YUZGW XNSJK ALPMD XHNFJ RTSU3 46378 HGCBD WNSDZ AJKQL  
PMYGV

PALKF HCBUD RTSJZ QJAKI DKLSV WBQHA JKQIO LKGRV VXCDD CBXVM  
YHFGC BSKLA IKQLS DLMXB VWHRT 27648 01984 DHNVX WBSHZ QJKAI  
KLSGF CGVXO LAIJH BXNDY RZYSU QJAIK SKHNQ WCXYR TJGBC VJAPL  
UJGDB ZYHSK 376/3 DHBXJ QKALP SJHGB CVRPA LKHNB CJDUR UJDVG

XBSJZ QJNWN LAUZR DHBCN XJSUK QLKFG CHNDU HJSTY IKGHD VXBDG  
35271 HNVCH 45383 SHBXJ QJAKL DGFUY HVCND ETDFX IKDHB VDBAJ  
CHFGT SJWNS KQLAI UJDGC BXHRT DHSKZ QJKSG UJGBC VSHRT SJQHU  
35473 SJAKI UHFGC 563/9 HNVXJ SJAKL SMQPO IKHNB CGDLR DHFCV  
FGCKL SJNWK ZUHGC VFRZT SHBWN JSKLZ QLHJR GBCJT

etc.

**M51b: 3881/6825 kHz, 26-10, 0626 UTC. Non-stop 5 character groups composed of M51a messages**

VXBSG ZTQFA KLQMP AIKDG ETSFZ WCQHA 26718 NDGET SCWVD 35427  
KLQHR BXHRT ZUSHQ WVXCD AEZYU JKOLP QMATY BCHDF XHSUJ ETSFZ  
IKOLE SGAUE XVSGQ WNDXC DFEJQ LAMPW 36278 BXHDU ZJWNQ KLAUH  
IORTD CGDUE SHQJZ WBSJE DHAIJ DGSKL NWJHG FVXCD FUYTI HDNXV  
IKDGR FHBCV DFDFF ETSGD XHSFE ZYSUA JNWDH SJHUI TGFHE KHFT  
GHFGC VBGHY JWKSL QMLAO LUJHG VNJKL XNDHT JKILD XCSVZ KLHGF  
56473 SGETF XBDGE XGSTE ZHUAI QKAI0 46378 45381 SUJAU OLETD  
QML0A 26480 JDGTE XVSFZ QHAJF VNDKI RUHFG CBXHD ZUJSL IKLOJ  
KQUET FKCBF DHGXV CNFGC DTFGR SHJAK WLKQO MAPKI NBHTG

GHDJA QJAKI HNDKZ WKQLA ZPMQH DGEUZ XBCVF WBQJH SJAUL MQHDF  
TGDHN 26483 SHBXJ SKQLZ AMPLU JDGXC WBQHZ AGFHC KUIOD XHRIL  
UJFOR SGXHW 46201 KSJFY XVSJZ LAPMS HWCXV RBSHD KLAUH YHDKZ  
WBCVX CHFDY ZUJAK 28678 JSKZI WGPCZ SKLQB WNDHR ZUYHF OKSLZ  
WMQHA WCXHD RTDJS WNCHD SUJRG ZJSKP PMQHF NBCUH PHJDF XVWHR  
10735 XVDFZ WHNAY 76382 KQNBX ZJAKO WUJRD XVSJZ

etc.

**M51a: 3881/6825 kHz, 26-10, 0700 UTC**

VVV DE FAV22 FAV22 FAV22 QLH 3881/6825 KHZ

SAMEDI LECON NUMÉRO /1 VITESSE 420 CODÉ  
JHFRD NJSDE ZPOYT QRWET IYUTO POLKJ ZCXVB MNJHB ASFDG 13957  
VXSGW ., 'AS+ QDSSG LJPUO NVBFG YRTQW ASZXA QPLIH BCVDN HDYEI  
10369 VXSUW 'AS?. , TRYEU QEWAR BCXDS MJKHU RQEOH BGHVT XAZSQ  
MNKHJ 47850 BQTBS +AS/?. XCZPQ MLHPI XASQW LCMEY RGS GW XCADQ  
PLKMO ZXCVD 75301 XUWDL ./? , = PLOIU BVDGW QTYRE ZXQWU PRUTY  
BDGRT XCSRW OKRYU 85247 GRWTJ /? . , ' FBFBI PLOIU VZBQI ETFGR  
'AS. /? NVDME 52036 VDGFS SHGCD AZSQL MNEYH DJFVO ALKCJ QWIVJ  
BDGVX 50369 QAVNR '+AR. ? CBXZN MLFKE CALSD ETFUB

SAMEDI LECON NUMÉRO /1 VITESSE 420 CLAIR

(clear text message follows)

CQ DE FAV22 VA

## M89 - Chinese Military

**14373 kHz, 29-10, 1220 UTC**

VV C2R5 C2R5 DE 479M 479M  
VV C2R5 C2R5 DE 479M 479M  
VV C2R5 C2R5 DE 479M 479M  
VV C2R5 C2R5 DE 479M 479M  
VV C2R5 C2R5 DE 479M 479M  
VV C2R5 C2R5 DE 479M 479M

HR MSG HR MSG GA

MSG NR 149 / CCK CK 6T 51 1T29 2T2T RMKS 479M TO C2R5 =  
4T6U D4AT 5U4A A737 4T7A T3DU 74T5 375T DU4D 36TA  
UATA 54TU 7T65 D4DT U6T4 7TT5 6UT6 UDDU 6U5U 3NND  
T5A3 N7UT 4ATA 5U65 647U NUN3 466N 56UA 7UAD D6DA  
754U N776 ADAD 3554 3D7A N33D 57AN N43N DAU4 7DNT  
7D4N 7DAU A7UT UD3A HTA4 6T4N T565 DAA5 TUTA TT4N  
TU3A TUND TDUN 7A7A 47T6 UNA5 N3T5 57D3 AU43 65D6  
AR

MSG NR 149 / CCK CK 6T 51 1T29 2T2T RMKS 479M TO C2R5 =

4T6U D4AT 5U4A A737 4T7A T3DU 74T5 375T DU4D 36TA  
UATA 54TU 7T65 D4DT U6T4 7TT5 6UT6 UDDU 6U5U 3NND  
T5A3 N7UT 4ATA 5U65 647U NUN3 466N 56UA 7UAD D6DA  
754U N776 ADAD 3554 3D7A N33D 57AN N43N DAU4 7DNT  
7D4N 7DAU A7UT UD3A HTA4 6T4N T565 DAA5 TUTA TT4N  
TU3A TUND TDUN 7A7A 47T6 UNA5 N3T5 57D3 AU43 65D6  
AR

MSG NR 149 / CCK CK 6T 51 1T29 2T2T RMKS 479M TO C2R5 =  
4T6U D4AT 5U4A A737 4T7A T3DU 74T5 375T DU4D 36TA  
UATA 54TU 7T65 D4DT U6T4 7TT5 6UT6 UDDU 6U5U 3NND  
T5A3 N7UT 4ATA 5U65 647U NUN3 466N 56UA 7UAD D6DA  
754U N776 ADAD 3554 3D7A N33D 57AN N43N DAU4 7DNT  
7D4N 7DAU A7UT UD3A HTA4 6T4N T565 DAA5 TUTA TT4N  
TU3A TUND TDUN 7A7A 47T6 UNA5 N3T5 57D3 AU43 65D6  
AR  
HR WK NR 111  
HR WK NR 111  
SK SK

#### Message converted to digits:

4062 8410 5241 1737 4071 0382 7405 3750 8248 3601  
2101 5402 7065 8480 2604 7005 6206 2882 6252 3998  
0513 9720 4101 5265 6472 9293 4669 5621 7218 8681  
7542 9776 1818 3554 3871 9338 5719 9439 8124 7890  
7849 7812 1720 2831 5014 6049 0565 8115 0201 0049  
0231 0298 0829 7171 4706 2915 9305 5783 1243 6586

At 1405 UTC followed by Q26: 4+4 QPSK 75/1000 LSB.

## UM04 - PROMRCh

Subilo provided the recordings of the missing September transcripts.

#### 4735 kHz, 02-09, 0700 UTC

VVV VVV PROMRCh = 02 09 =  
1000 0940 0970 1080 1470  
1200 0990 1010 1110 1440  
1400 1020 1040 1140 1470  
1600 1000 1020 1120 1450  
1800 0960 0990 1100 1470  
2000 1000 1030 1140 1510  
2200 0830 0850 0910 1140  
0000 0740 0760 0820 1050  
0200 0690 0710 0760 0960  
0400 0630 0640 0700 0900  
0600 0600 0620 0700 0940  
0800 0830 0870 0990 1370  
= ABV  
VVV VVV PROMRCh = 02 09 =  
1000 0940 0970 1080 1470  
1200 0990 1010 1110 1440  
1400 1020 1040 1140 1470  
1600 1000 1020 1120 1450  
1800 0960 0990 1100 1470  
2000 1000 1030 1140 1510  
2200 0830 0850 0910 1140  
0000 0740 0760 0820 1050  
0200 0690 0710 0760 0960  
0400 0630 0640 0700 0900  
0600 0600 0620 0700 0940  
0800 0830 0870 0990 1370  
= AR

#### 4735 kHz, 05-09, 0700 UTC

VVV VVV PROMRCh = 05 09 =  
1000 0950 0980 1100 1490  
1200 0990 1020 1120 1470  
1400 1040 1060 1160 1510  
1600 1010 1030 1140 1480  
1800 0990 1010 1130 1510  
2000 0980 1010 1112 1480  
2200 0810 0830 0980 1120  
0000 0740 0750 0820 1030  
0200 0680 0700 0750 0940  
0400 0630 0640 7000 0890  
0600 0590 0610 0680 0920  
0800 0820 0860 0980 1370  
= ABV =  
VVV VVV PROMRCh = 05 09 =  
1000 0950 0980 1100 1490  
1200 0990 1020 1120 1470  
1400 1040 1060 1160 1510  
1600 1010 1030 1140 1480  
1800 0990 1010 1130 1510  
2000 0980 1010 1112 1480  
2200 0810 0830 0980 1120  
0000 0740 0750 0820 1030  
0200 0680 0700 0750 0940  
0400 0630 0640 7000 0890  
0600 0590 0610 0680 0920  
0800 0820 0860 0980 1370  
= AR

#### 4735 kHz, 06-09, 0700 UTC

VVV VVV PROMRCh = 06 09 =  
1000 0950 0980 1100 1490  
1200 1000 1020 1120 1470  
1400 1040 1060 1160 1520  
1600 1010 1040 1140 1500  
1800 1000 1030 1140 1530  
2000 0970 1000 1100 1460  
2200 0810 0820 0880 1120  
0000 0730 0750 0810 1030  
0200 0680 0690 0750 0940  
0400 0620 0640 0690 0880  
0600 0590 0600 0680 0920  
0800 0820 0860 0980 1380  
= ABV  
VVV VVV PROMRCh = 06 09 =  
1000 0950 0980 1100 1490  
1200 1000 1020 1120 1470  
1400 1040 1060 1160 1520  
1600 1010 1040 1140 1500  
1800 1000 1030 1140 1530  
2000 0970 1000 1100 1460  
2200 0810 0820 0880 1120  
0000 0730 0750 0810 1030  
0200 0680 0690 0750 0940  
0400 0620 0640 0690 0880  
0600 0590 0600 0680 0920  
0800 0820 0860 0980 1380  
= AR

#### 4735 kHz, 09-09, 0700 UTC

VVV VVV PROMRCh = 09 09 =  
1000 0970 1000 1120 1530  
1200 1020 1040 1150 1520  
1400 1060 1080 1180 1550  
1600 1030 1060 1170 1530  
1800 1030 1060 1170 1570  
2000 0940 0970 1060 1390  
2200 0790 0800 0760 1100  
0000 0720 0740 0800 1010  
0200 0680 0690 0740 0940  
0400 0630 0640 0700 0890  
0600 0590 0610 0680 0920  
0800 0830 0870 1000 1400  
= ABV  
VVV VVV PROMRCh = 09 09 =  
1000 0970 1000 1120 1530  
1200 1020 1040 1150 1520  
1400 1060 1080 1180 1550  
1600 1030 1060 1170 1530  
1800 1030 1060 1170 1570  
2000 0940 0970 1060 1390  
2200 0790 0800 0760 1100  
0000 0720 0740 0800 1010  
0200 0680 0690 0740 0940  
0400 0630 0640 0700 0890  
0600 0590 0610 0680 0920  
0800 0830 0870 1000 1400  
= AR

**4735 kHz, 11-09, 0700 UTC**

VVV VVV PROMRCh = 11 09 =

1000 0990 1020 1150 1550  
 1200 1050 1070 1180 1560  
 1400 1080 1100 1210 1570  
 1600 1050 1080 1190 1560  
 1800 1050 1080 1200 1600  
 2000 0930 0950 1040 1340  
 2200 0780 0800 0860 1090  
 0000 0730 0740 0800 1010  
 0200 0680 0690 0750 0950  
 0400 0630 0650 0700 0890  
 0600 0590 0610 0680 0920  
 0800 0850 0890 1030 1440

= ABV

VVV VVV PROMRCh = 11 09 =

1000 0990 1020 1150 1550  
 1200 1050 1070 1180 1560  
 1400 1080 1100 1210 1570  
 1600 1050 1080 1190 1560  
 1800 1050 1080 1200 1600  
 2000 0930 0950 1040 1340  
 2200 0780 0800 0860 1090  
 0000 0730 0740 0800 1010  
 0200 0680 0690 0750 0950  
 0400 0630 0650 0700 0890  
 0600 0590 0610 0680 0920  
 0800 0850 0890 1030 1440

= AR

**4735 kHz, 13-09, 0700 UTC**

Unreadable

**4735 kHz, 14-09, 0700 UTC**

VVV VVV PROMRCh =14 09 =

1000 1020 1060 1180 1600  
 1200 1080 1100 1220 1610  
 1400 1100 1130 1230 1610  
 1600 1080 1110 1210 1600  
 1800 1090 1110 1240 1650  
 2000 0910 0930 1010 1290  
 2200 0770 0780 0840 1070  
 0000 0720 0730 0790 0990  
 0200 0680 0700 0750 0960  
 0400 0640 0650 0710 0890  
 0600 0590 0610 0690 0920  
 0800 0880 0920 1050 1480

= ABV

VVV VVV PROMRCh =14 09 =

1000 1020 1060 1180 1600  
 1200 1080 1100 1220 1610  
 1400 1100 1130 1230 1610  
 1600 1080 1110 1210 1600  
 1800 1090 1110 1240 1650  
 2000 0910 0930 1010 1290  
 2200 0770 0780 0840 1070  
 0000 0720 0730 0790 0990  
 0200 0680 0700 0750 0960  
 0400 0640 0650 0710 0890  
 0600 0590 0610 0690 0920  
 0800 0880 0920 1050 1480

= AR

**4735 kHz, 15-09, 0700 UTC**

VVV VVV PROMRCh = 15 09 =

1000 1030 1060 1190 1620  
 1200 1080 1110 1230 1620  
 1400 1110 1130 1240 1620  
 1600 1090 1120 1230 1620  
 1800 1100 1130 1250 1670  
 2000 0900 0920 1000 1290  
 2200 0760 0780 0840 1070  
 0000 0720 0730 0790 0990  
 0200 0680 0700 0750 0950  
 0400 0630 0650 0700 0890  
 0600 0590 0610 0680 0920  
 0800 0880 0920 1050 1480

= ABV

VVV VVV PROMRCh = 15 09 =

1000 1030 1060 1190 1620  
 1200 1080 1110 1230 1620  
 1400 1110 1130 1240 1620  
 1600 1090 1120 1230 1620  
 1800 1100 1130 1250 1670  
 2000 0900 0920 1000 1290  
 2200 0760 0780 0840 1070  
 0000 0720 0730 0790 0990  
 0200 0680 0700 0750 0950  
 0400 0630 0650 0700 0890  
 0600 0590 0610 0680 0920  
 0800 0880 0920 1050 1480

= AR

**4735 kHz, 18-09, 0700 UTC**

VVV VVV PROMRCh = 18 11 =

1000 1030 1070 1200 1640  
 1200 1100 1130 1250 1660  
 1400 1120 1150 1270 1660  
 1600 1110 1140 1260 1660  
 1800 1020 1150 1280 1710  
 2000 0890 0910 0990 1270  
 2200 0740 0760 0820 1040  
 0000 0700 0710 0770 0960  
 0200 0660 0680 0740 0930  
 0400 0620 0630 0680 0870  
 0600 0570 0590 0660 0890  
 0800 0870 0910 1050 1490

= ABV

VVV VVV PROMRCh = 18 11 =

1000 1030 1070 1200 1640  
 1200 1100 1130 1250 1660  
 1400 1120 1150 1270 1660  
 1600 1110 1140 1260 1660  
 1800 1020 1150 1280 1710  
 2000 0890 0910 0990 1270  
 2200 0740 0760 0820 1040  
 0000 0700 0710 0770 0960  
 0200 0660 0680 0740 0930  
 0400 0620 0630 0680 0870  
 0600 0570 0590 0660 0890  
 0800 0870 0910 1050 1490

= AR

**4735 kHz, 20-09, 0700 UTC**

VVV VVV PROMRCh = 20 09 =

1000 1030 1070 1200 1640  
 1200 1110 1140 1260 1680  
 1400 1130 1160 1270 1680  
 1600 1110 1140 1260 1680  
 1800 1120 1160 1290 1730  
 2000 0860 0880 0960 1240  
 2200 0720 0740 0790 1020  
 0000 0680 0700 0750 0940  
 0200 0650 0660 0720 0920  
 0400 0600 0610 0670 0850  
 0600 0560 0580 0650 0880  
 0800 0870 0910 1050 1490

= ABV

VVV VVV PROMRCh = 20 09 =

1000 1030 1070 1200 1640  
 1200 1110 1140 1260 1680  
 1400 1130 1160 1270 1680  
 1600 1110 1140 1260 1680  
 1800 1120 1160 1290 1730  
 2000 0860 0880 0960 1240  
 2200 0720 0740 0790 1020  
 0000 0680 0700 0750 0940  
 0200 0650 0660 0720 0920  
 0400 0600 0610 0670 0850  
 0600 0560 0580 0650 0880  
 0800 0870 0910 1050 1490

= AR

**4735 kHz, 21-09, 0700 UTC**

VVV VVV PROMRCh = 21 09 =

1000 1040 1080 1210 1660  
 1200 1110 1150 1270 1700  
 1400 1140 1170 1290 1700  
 1600 1120 1150 1270 1690  
 1800 1130 1160 1300 1750  
 2000 0860 0880 0950 1230  
 2200 0710 0720 0780 1000  
 0000 0670 0690 0740 0930  
 0200 0640 0650 0710 0900  
 0400 0600 0610 0660 0840  
 0600 0560 0580 0650 0880  
 0800 0870 0910 1060 1500

= ABV =

VVV VVV PROMRCh = 21 09 =

1000 1040 1080 1210 1660  
 1200 1110 1150 1270 1700  
 1400 1140 1170 1290 1700  
 1600 1120 1150 1270 1690  
 1800 1130 1160 1300 1750  
 2000 0860 0880 0950 1230  
 2200 0710 0720 0780 1000  
 0000 0670 0690 0740 0930  
 0200 0640 0650 0710 0900  
 0400 0600 0610 0660 0840  
 0600 0560 0580 0650 0880  
 0800 0870 0910 1060 1500

= AR

**4735 kHz, 26-09, 0700 UTC**

VVV VVV PROMRCh = 26 09 =

1000 1030 1060 1200 1650  
 1200 1110 1150 1270 1690  
 1400 1140 1170 1290 1690  
 1600 1120 1150 1270 1690  
 1800 1110 1140 1280 1730  
 2000 0850 0870 0950 1240  
 2200 0690 0710 0770 0990  
 0000 0650 0670 0720 0910  
 0200 0620 0630 0690 0880  
 0400 0580 0590 0650 0830  
 0600 0540 0560 0630 0850  
 0800 0860 0900 1050 1480

= ABV

VVV VVV PROMRCh = 26 09 =

1000 1030 1060 1200 1650  
 1200 1110 1150 1270 1690  
 1400 1140 1170 1290 1690  
 1600 1120 1150 1270 1690  
 1800 1110 1140 1280 1730  
 2000 0850 0870 0950 1240  
 2200 0690 0710 0770 0990  
 0000 0650 0670 0720 0910  
 0200 0620 0630 0690 0880  
 0400 0580 0590 0650 0830  
 0600 0540 0560 0630 0850  
 0800 0860 0900 1050 1480

= AR

**4735 kHz, 27-09, 0700 UTC**

VVV VVV PROMRCh = 2709 =

1000 1020 1060 1200 1650  
 1200 1110 1140 1270 1690  
 1400 1140 1170 1280 1690  
 1600 1110 1150 1270 1690  
 1800 1110 1150 1290 1730  
 2000 0850 0870 0950 1250  
 2200 0690 0700 0770 0990  
 0000 0650 0670 0720 0910  
 0200 0610 0630 0680 0870  
 0400 0580 0590 0640 0830  
 0600 0540 0550 0630 0850  
 0800 0850 0890 1040 1480

= ABV

VVV VVV PROMRCh = 2709 =

1000 1020 1060 1200 1650  
 1200 1110 1140 1270 1690  
 1400 1140 1170 1280 1690  
 1600 1110 1150 1270 1690  
 1800 1110 1150 1290 1730  
 2000 0850 0870 0950 1250  
 2200 0690 0700 0770 0990  
 0000 0650 0670 0720 0910  
 0200 0610 0630 0680 0870  
 0400 0580 0590 0640 0830  
 0600 0540 0550 0630 0850  
 0800 0850 0890 1040 1480

= AR

**4735 kHz, 28-09, 0700 UTC**

VVV VVV PROMRCh = 28 09 =

1000 1020 1060 1200 1650  
 1200 1110 1140 1270 1690  
 1400 1130 1160 1280 1690  
 1600 1110 1140 1270 1690  
 1800 1110 1140 1280 1740  
 2000 0850 0880 0960 1270  
 2200 0680 0700 0770 0990  
 0000 0650 0660 0710 0900  
 0200 0610 0620 0680 0860  
 0400 0580 0590 0640 0820  
 0600 0530 0550 0620 0850  
 0800 0840 0890 1030 1470

= ABV =

VVV VVV PROMRCh = 28 09 =

1000 1020 1060 1200 1650  
 1200 1110 1140 1270 1690  
 1400 1130 1160 1280 1690  
 1600 1110 1140 1270 1690  
 1800 1110 1140 1280 1740  
 2000 0850 0880 0960 1270  
 2200 0680 0700 0770 0990  
 0000 0650 0660 0710 0900  
 0200 0610 0620 0680 0860  
 0400 0580 0590 0640 0820  
 0600 0530 0550 0620 0850  
 0800 0840 0890 1030 1470

= AR

**October transcripts****4735 kHz, 01-10, 0702 UTC**

VVV VVV PROMRCh = 0110 =

1000 1010 1050 1190 1640  
 1200 1100 1140 1260 1690  
 1400 0130 1160 1280 1690  
 1600 1110 1140 1270 1690  
 1800 1100 1140 1280 1740  
 2000 0860 0880 0980 1300  
 2200 0680 0690 0760 1000  
 0000 0630 0640 0700 0890  
 0200 0590 0600 0650 0840  
 0400 0560 0570 0630 0810  
 0600 0520 0540 0610 0830  
 0800 0830 0870 1020 1450

= ABV

VVV VVV PROMRCh = 0110 =

1000 1010 1050 1190 1640  
 1200 1100 1140 1260 1690  
 1400 0130 1160 1280 1690  
 1600 1110 1140 1270 1690  
 1800 1100 1140 1280 1740  
 2000 0860 0880 0980 1300  
 2200 0680 0690 0760 1000  
 0000 0630 0640 0700 0890  
 0200 0590 0600 0650 0840  
 0400 0560 0570 0630 0810  
 0600 0520 0540 0610 0830  
 0800 0830 0870 1020 1450

= AR

**4735 kHz, 02-10, 0700 UTC**

VVV VVV PROMRCh = 02 10 =

1000 1010 1050 1190 1640  
 1200 0100 1140 1260 1690  
 1400 1130 1160 1280 1690  
 1600 2110 1140 1260 1690  
 1800 1100 1140 1280 1740  
 2000 0860 0880 0980 1320  
 2200 0670 0690 0760 0000  
 0000 0630 0640 0700 0890  
 0200 0580 0600 0650 0830  
 0400 0560 0570 0620 0800  
 0600 0530 0530 0610 0830  
 0800 0830 0870 1020 1460

= ABV

VVV VVV PROMRCh = 02 10 =

1000 1010 1050 1190 1640  
 1200 0100 1140 1260 1690  
 1400 1130 1160 1280 1690  
 1600 2110 1140 1260 1690  
 1800 1100 1140 1280 1740  
 2000 0860 0880 0980 1320  
 2200 0670 0690 0760 0000  
 0000 0630 0640 0700 0890  
 0200 0580 0600 0650 0830  
 0400 0560 0570 0620 0800  
 0600 0530 0530 0610 0830  
 0800 0830 0870 1020 1460

= AR

**4735 kHz, 03-10, 0700 UTC**

VVV VVV PROMRCh = 03 10 =

1000 1020 1060 1200 1660  
 1200 1110 1140 1270 1710  
 1400 1140 1170 1290 1710  
 1600 1120 1150 1280 1710  
 1800 1100 1140 1280 1740  
 2000 0860 0890 0990 1320  
 2200 0670 0690 0760 1000  
 0000 0630 0640 0690 0880  
 0200 0580 0590 0640 0830  
 0400 0550 0570 0620 0800  
 0600 0510 0530 0600 0810  
 0800 0840 0880 1020 1460

= ABV

VVV VVV PROMRCh = 03 10 =

1000 1020 1060 1200 1660  
 1200 1110 1140 1270 1710  
 1400 1140 1170 1290 1710  
 1600 1120 1150 1280 1710  
 1800 1100 1140 1280 1740  
 2000 0860 0890 0990 1320  
 2200 0670 0690 0760 1000  
 0000 0630 0640 0690 0880  
 0200 0580 0590 0640 0830  
 0400 0550 0570 0620 0800  
 0600 0510 0530 0600 0810  
 0800 0840 0880 1020 1460

= AR

**4735 kHz, 04-10, 0700 UTC**

VVV VVV PROMRCh = 04 10 =

1000 1030 1070 1210 1680  
 1200 1130 1160 1290 1730  
 1400 1150 1180 1310 1720  
 1600 1130 1160 1290 1720  
 1800 1100 1140 1070 1730  
 2000 0860 0890 0990 1320  
 2200 0670 0690 0760 0990  
 0000 0630 0640 0690 0880  
 0200 0580 0590 0640 0830  
 0400 0550 0570 0620 0800  
 0600 0500 0520 0590 0810  
 0800 0840 0880 1030 1470

= ABV

VVV VVV PROMRCh = 04 10 =

1000 1030 1070 1210 1680  
 1200 1130 1160 1290 1730  
 1400 1150 1180 1310 1720  
 1600 1130 1160 1290 1720  
 1800 1100 1140 1070 1730  
 2000 0860 0890 0990 1320  
 2200 0670 0690 0760 0990  
 0000 0630 0640 0690 0880  
 0200 0580 0590 0640 0830  
 0400 0550 0570 0620 0800  
 0600 0500 0520 0590 0810  
 0800 0840 0880 1030 1470

= AR

**4735 kHz,05-10, 0700 UTC**

VVV VVV PROMRCh = 05 10 =  
 1000 1050 1090 1240 1710  
 1200 1150 1180 1320 1770  
 1400 1170 1200 1330 1750  
 1600 1150 1180 1310 1740  
 1800 1110 1150 1280 1730  
 2000 0870 0890 0990 1310  
 2200 0670 0690 0760 0990  
 0000 0620 0640 0690 0880  
 0200 0580 0590 0650 0830  
 0400 0560 0570 0620 0810  
 0600 0500 0520 0590 0800  
 0800 0850 0900 1040 1490  
 = ABV

VVV VVV PROMRCh = 05 10 =  
 1000 1050 1090 1240 1710  
 1200 1150 1180 1320 1770  
 1400 1170 1200 1330 1750  
 1600 1150 1180 1310 1740  
 1800 1110 1150 1280 1730  
 2000 0870 0890 0990 1310  
 2200 0670 0690 0760 0990  
 0000 0620 0640 0690 0880  
 0200 0580 0590 0650 0830  
 0400 0560 0570 0620 0810  
 0600 0500 0520 0590 0800  
 0800 0850 0900 1040 1490  
 = AR

**4735 kHz, 09-10, 0700 UTC**

VVV VVV PROMRCh = 09 10 =  
 1000 1120 1160 1320 1810  
 1200 1220 1260 1400 1870  
 1400 1220 1250 1370 1810  
 1600 1210 1250 1370 1810  
 1800 1130 1150 1270 1660  
 2000 0880 0900 0990 1310  
 2200 0690 0700 0760 0990  
 0000 0650 0660 0710 0900  
 0200 0610 0620 0670 0860  
 0400 0590 0600 0660 0840  
 0600 0500 0520 0590 0790  
 0800 0900 0940 1090 1550  
 = ABV

VVV VVV PROMRCh = 09 10 =  
 1000 1120 1160 1320 1810  
 1200 1220 1260 1400 1870  
 1400 1220 1250 1370 1810  
 1600 1210 1250 1370 1810  
 1800 1130 1150 1270 1660  
 2000 0880 0900 0990 1310  
 2200 0690 0700 0760 0990  
 0000 0650 0660 0710 0900  
 0200 0610 0620 0670 0860  
 0400 0590 0600 0660 0840  
 0600 0500 0520 0590 0790  
 0800 0900 0940 1090 1550  
 = AR

**4735 kHz, 06-10, 0700 UTC**

VVV VVV PROMRCh = 06 10 =  
 1000 1070 1110 1260 1730  
 1200 1170 1210 1340 1790  
 1400 1180 1220 1340 1760  
 1600 1160 1200 1330 1760  
 1800 1110 1150 1280 1720  
 2000 0870 0890 0990 1310  
 2200 0680 0690 0760 0990  
 0000 0630 0640 0690 0890  
 0200 0580 0590 0650 0830  
 0400 0570 0580 0630 0810  
 0600 0500 0520 0590 0800  
 0800 0860 0910 1050 1500  
 = ABV

VVV VVV PROMRCh = 06 10 =  
 1000 1070 1110 1260 1730  
 1200 1170 1210 1340 1790  
 1400 1180 1220 1340 1760  
 1600 1160 1200 1330 1760  
 1800 1110 1150 1280 1720  
 2000 0870 0890 0990 1310  
 2200 0680 0690 0760 0990  
 0000 0630 0640 0690 0890  
 0200 0580 0590 0650 0830  
 0400 0570 0580 0630 0810  
 0600 0500 0520 0590 0800  
 0800 0860 0910 1050 1500  
 = AR

**4735 kHz, 10-10, 0700 UTC**

VVV VVV PROMRCh = 10 10 =  
 1000 1120 1160 1320 1810  
 1200 1220 1250 1400 1880  
 1400 1210 1250 1370 1810  
 1600 1210 1240 1370 1820  
 1800 1130 1150 1270 1660  
 2000 0870 0900 0990 1300  
 2200 0680 0700 0760 0980  
 0000 0640 0660 0710 0900  
 0200 0610 0620 0670 0860  
 0400 0590 0600 0700 0840  
 0600 0500 0520 0580 0780  
 0800 0900 0940 1100 1550  
 = ABV

VVV VVV PROMRCh = 10 10 =  
 1000 1120 1160 1320 1810  
 1200 1220 1250 1400 1880  
 1400 1210 1250 1370 1810  
 1600 1210 1240 1370 1820  
 1800 1130 1150 1270 1660  
 2000 0870 0900 0990 1300  
 2200 0680 0700 0760 0980  
 0000 0640 0660 0710 0900  
 0200 0610 0620 0670 0860  
 0400 0590 0600 0700 0840  
 0600 0500 0520 0580 0780  
 0800 0900 0940 1100 1550  
 = AR

**4735 kHz, 07-10, 0700 UTC**

VVV VVV PROMRCh = 07 10 =  
 1000 1080 1120 1270 1760  
 1200 1180 1220 1360 1810  
 1400 1190 1230 1350 1780  
 1600 1180 1210 1330 1770  
 1800 1110 1150 1280 1710  
 2000 0870 0900 0990 1310  
 2200 0680 0700 0760 0990  
 0000 0630 0650 0700 0880  
 0200 0590 0600 0650 0830  
 0400 0570 0580 0630 0810  
 0600 0500 0520 0580 0790  
 0800 0870 0920 1060 1510  
 = ABV

VVV VVV PROMRCh = 07 10 =  
 1000 1080 1120 1270 1760  
 1200 1180 1220 1360 1810  
 1400 1190 1230 1350 1780  
 1600 1180 1210 1330 1770  
 1800 1110 1150 1280 1710  
 2000 0870 0900 0990 1310  
 2200 0680 0700 0760 0990  
 0000 0630 0650 0700 0880  
 0200 0590 0600 0650 0830  
 0400 0570 0580 0630 0810  
 0600 0500 0520 0580 0790  
 0800 0870 0920 1060 1510  
 = AR

**4735 kHz, 11-10, 0700 UTC**

VVV VVV PROMRCh = 1110 =  
 1000 1130 1170 1330 1830  
 1200 1240 1270 1420 1900  
 1400 1230 1260 1390 1830  
 1600 1220 1260 1390 1840  
 1800 1140 1150 1280 1670  
 2000 0880 0900 0990 1290  
 2200 0680 0700 0750 0970  
 0000 0640 0650 0700 0890  
 0200 0610 0620 0670 0860  
 0400 0590 0600 0660 0840  
 0600 0500 0520 0580 0780  
 0800 0900 0950 1100 1570  
 = ABV

VVV VVV PROMRCh = 1110 =  
 1000 1130 1170 1330 1830  
 1200 1240 1270 1420 1900  
 1400 1230 1260 1390 1830  
 1600 1220 1260 1390 1840  
 1800 1140 1150 1280 1670  
 2000 0880 0900 0990 1290  
 2200 0680 0700 0750 0970  
 0000 0640 0650 0700 0890  
 0200 0610 0620 0670 0860  
 0400 0590 0600 0660 0840  
 0600 0500 0520 0580 0780  
 0800 0900 0950 1100 1570  
 = AR

**4735 kHz, 08-10, 0700 UTC**

VVV VVV PROMRCh = 08 10 =  
 1000 1100 1140 1300 1780  
 1200 1200 1240 1380 1850  
 1400 1210 1230 1360 1790  
 1600 1190 1230 1350 1790  
 1800 1120 1150 1280 1710  
 2000 0880 0900 0990 1310  
 2200 0690 0700 0770 0990  
 0000 0640 0650 0710 0900  
 0200 0590 0600 0660 0840  
 0400 0580 0590 0640 0820  
 0600 0500 0520 0580 0790  
 0800 0890 0930 1080 1540  
 = ABV

VVV VVV PROMRCh = 08 10 =  
 1000 1100 1140 1300 1780  
 1200 1200 1240 1380 1850  
 1400 1210 1230 1360 1790  
 1600 1190 1230 1350 1790  
 1800 1120 1150 1280 1710  
 2000 0880 0900 0990 1310  
 2200 0690 0700 0770 0990  
 0000 0640 0650 0710 0900  
 0200 0590 0600 0660 0840  
 0400 0580 0590 0640 0820  
 0600 0500 0520 0580 0790  
 0800 0890 0930 1080 1540  
 = AR

**4735 kHz, 12-10, 0700 UTC**

VVV VVV PROMRCh = 12 10 =  
 1000 1140 1180 1340 1850  
 1200 1250 1290 1430 0920  
 1400 1230 1270 1400 1840  
 1600 1240 1270 1410 1870  
 1800 1140 1150 1280 1670  
 2000 0880 0900 0990 1300  
 2200 0680 0690 0750 0960  
 0000 0630 0640 0700 0880  
 0200 0600 0610 0670 0850  
 0400 0590 0600 0650 0840  
 0600 0490 0510 0510 0770  
 0800 0910 0950 1110 1580  
 = ABV

VVV VVV PROMRCh = 12 10 =  
 1000 1140 1180 1340 1850  
 1200 1250 1290 1430 0920  
 1400 1230 1270 1400 1840  
 1600 1240 1270 1410 1870  
 1800 1140 1150 1280 1670  
 2000 0880 0900 0990 1300  
 2200 0680 0690 0750 0960  
 0000 0630 0640 0700 0880  
 0200 0600 0610 0670 0850  
 0400 0590 0600 0650 0840  
 0600 0490 0510 0510 0770  
 0800 0910 0950 1110 1580  
 = AR

**4735 kHz, 13-10, 0700 UTC**

VVV VVV PROMRCh = 13 10 =  
 1000 1130 1170 1330 1830  
 1200 1230 1270 1420 1910  
 1400 1220 1250 1380 1830  
 1600 1220 1260 1390 1850  
 1800 1140 2550 1280 1670  
 2000 0870 0890 0980 1290  
 2200 0660 0680 0740 0950  
 0000 0620 0630 0690 0870  
 0200 0600 0610 0660 0840  
 0400 0580 0590 0650 0830  
 0600 0490 0500 0560 0760  
 0800 0900 0940 1100 1570  
 = ABV  
 VVV VVV PROMRCh = 13 10 =  
 1000 1130 1170 1330 1830  
 1200 1230 1270 1420 1910  
 1400 1220 1250 1380 1830  
 1600 1220 1260 1390 1850  
 1800 1140 2550 1280 1670  
 2000 0870 0890 0980 1290  
 2200 0660 0680 0740 0950  
 0000 0620 0630 0690 0870  
 0200 0600 0610 0660 0840  
 0400 0580 0590 0650 0830  
 0600 0490 0500 0560 0760  
 0800 0900 0940 1100 1570  
 = AR

**4735 kHz, 14-10, 0700 UTC**

VVV VVV PROMRCh = 14 10 =  
 1000 1130 1180 1340 1840  
 1200 1240 1280 1430 1930  
 1400 1230 1260 1390 1840  
 1600 1230 1270 1400 1870  
 1800 1130 2550 1270 1670  
 2000 0860 0890 0980 1280  
 2200 0650 0670 0730 0930  
 0000 0620 0630 0680 0860  
 0200 0590 0600 0650 0830  
 0400 0570 0580 0640 0810  
 0600 0480 0490 0550 0740  
 0800 0900 0940 1100 1570  
 = ABV  
 VVV VVV PROMRCh = 14 10 =  
 1000 1130 1180 1340 1840  
 1200 1240 1280 1430 1930  
 1400 1230 1260 1390 1840  
 1600 1230 1270 1400 1870  
 1800 1130 2550 1270 1670  
 2000 0860 0890 0980 1280  
 2200 0650 0670 0730 0930  
 0000 0620 0630 0680 0860  
 0200 0590 0600 0650 0830  
 0400 0570 0580 0640 0810  
 0600 0480 0490 0550 0740  
 0800 0900 0940 1100 1570  
 = AR

**4735 kHz, 15-10, 0700 UTC**

VVV VVV PROMRCh = 15 10 =  
 1000 1130 1180 1340 1850  
 1200 1250 1290 1440 1940  
 1400 1230 1270 1400 1860  
 1600 1240 1270 1410 1880  
 1800 1130 2550 1270 1670  
 2000 0850 0880 0960 1270  
 2200 0640 0650 0710 0920  
 0000 0610 0610 0670 0840  
 0200 0580 0590 0650 0820  
 0400 0560 0580 0630 0810  
 0600 0470 0480 0540 0730  
 0800 0900 0940 1100 1570  
 = ABV  
 VVV VVV PROMRCh = 15 10 =  
 1000 1130 1180 1340 1850  
 1200 1250 1290 1440 1940  
 1400 1230 1270 1400 1860  
 1600 1240 1270 1410 1880  
 1800 1130 2550 1270 1670  
 2000 0850 0880 0960 1270  
 2200 0640 0650 0710 0920  
 0000 0610 0610 0670 0840  
 0200 0580 0590 0650 0820  
 0400 0560 0580 0630 0810  
 0600 0470 0480 0540 0730  
 0800 0900 0940 1100 1570  
 = AR

**4735 kHz, 16-10, 0700 UTC**

VVV VVV PROMRCh = 16 10 =  
 1000 1140 1180 1340 1870  
 1200 1260 1290 1440 1960  
 1400 1230 1270 1410 1 60  
 1600 1250 1280 1420 1900  
 1800 1130 2550 1280 1670  
 2000 0850 0870 0960 1260  
 2200 0630 0640 0700 0900  
 0000 0600 0600 0660 0840  
 0200 0570 0590 0640 0820  
 0400 0550 0570 0620 0800  
 0600 0460 0480 0530 0720  
 0800 0900 0940 1100 1570  
 = ABV  
 VVV VVV PROMRCh = 16 10 =  
 1000 1140 1180 1340 1870  
 1200 1260 1290 1440 1960  
 1400 1230 1270 1410 1 60  
 1600 1250 1280 1420 1900  
 1800 1130 2550 1280 1670  
 2000 0850 0870 0960 1260  
 2200 0630 0640 0700 0900  
 0000 0600 0600 0660 0840  
 0200 0570 0590 0640 0820  
 0400 0550 0570 0620 0800  
 0600 0460 0480 0530 0720  
 0800 0900 0940 1100 1570  
 = AR

**4735 kHz, 17-10, 0700 UTC**

VVV VVV PROMRCh = 17 10 =  
 1000 1140 1190 1350 1870  
 1200 1270 1310 1460 1970  
 1400 1240 1280 1410 1880  
 1600 1250 1280 1430 1920  
 1800 1130 2550 1280 1670  
 2000 0840 0860 0950 1260  
 2200 0620 0640 0700 0900  
 0000 0590 0600 0650 0830  
 0200 0570 0580 0630 0800  
 0400 0550 0560 0610 0790  
 0600 0450 0470 0530 0710  
 0800 0900 0950 1110 1580  
 = ABV  
 VVV VVV PROMRCh = 17 10 =  
 1000 1140 1190 1350 1870  
 1200 1270 1310 1460 1970  
 1400 1240 1280 1410 1880  
 1600 1250 1280 1430 1920  
 1800 1130 2550 1280 1670  
 2000 0840 0860 0950 1260  
 2200 0620 0640 0700 0900  
 0000 0590 0600 0650 0830  
 0200 0570 0580 0630 0800  
 0400 0550 0560 0610 0790  
 0600 0450 0470 0530 0710  
 0800 0900 0950 1110 1580  
 = AR

**4735 kHz, 18-10, 0700 UTC**

VVV VVV PROMRCh = 18 10 =  
 1000 1150 1190 1360 1890  
 1200 1280 1320 1470 2000  
 1400 1250 1290 1420 1890  
 1600 1260 1300 1440 1930  
 1800 1130 2550 1280 1680  
 2000 0840 0860 0950 1250  
 2200 0620 0630 0690 0890  
 0000 0580 0590 0640 0820  
 0200 0560 0570 0630 0800  
 0400 0540 0560 0610 0780  
 0600 0450 0460 0520 0700  
 0800 0900 0950 1110 1590  
 = ABV  
 VVV VVV PROMRCh = 18 10 =  
 1000 1150 1190 1360 1890  
 1200 1280 1320 1470 2000  
 1400 1250 1290 1420 1890  
 1600 1260 1300 1440 1930  
 1800 1130 2550 1280 1680  
 2000 0840 0860 0950 1250  
 2200 0620 0630 0690 0890  
 0000 0580 0590 0640 0820  
 0200 0560 0570 0630 0800  
 0400 0540 0560 0610 0780  
 0600 0450 0460 0520 0700  
 0800 0900 0950 1110 1590  
 = AR

**4735 kHz, 19-10, 0700 UTC**

VVV VVV PROMRCh = 19 10 =  
 1000 1150 1200 1370 1890  
 1200 1280 1320 1480 2010  
 1400 1250 1290 1430 1900  
 1600 1260 1300 1450 1940  
 1800 1130 0550 1270 1680  
 2000 0820 0850 0940 1230  
 2200 0610 0620 0680 0870  
 0000 0580 0590 0640 0810  
 0200 0560 0570 0630 0800  
 0400 0540 0550 0600 0780  
 0600 0440 0460 0510 0690  
 0800 0910 0950 1120 1590  
 = ABV  
 VVV VVV PROMRCh = 19 10 =  
 1000 1150 1200 1370 1890  
 1200 1280 1320 1480 2010  
 1400 1250 1290 1430 1900  
 1600 1260 1300 1450 1940  
 1800 1130 0550 1270 1680  
 2000 0820 0850 0940 1230  
 2200 0610 0620 0680 0870  
 0000 0580 0590 0640 0810  
 0200 0560 0570 0630 0800  
 0400 0540 0550 0600 0780  
 0600 0440 0460 0510 0690  
 0800 0910 0950 1120 1590  
 = AR

**4735 kHz, 20-10, 0700 UTC**

VVV VVV PROMRCh = 20 10 =  
 1000 1160 1200 1370 1910  
 1200 1290 1330 1490 2030  
 1400 1250 1290 1430 1910  
 1600 1120 1310 1450 1960  
 1800 1120 2550 1270 1670  
 2000 0820 0840 0930 1230  
 2200 0600 0620 0670 0860  
 0000 0570 0580 0630 0800  
 0200 0560 0570 0620 0790  
 0400 0540 0550 0600 0770  
 0600 0430 0450 0500 0680  
 0800 0910 0950 1110 1590  
 = ABV  
 VVV VVV PROMRCh = 20 10 =  
 1000 1160 1200 1370 1910  
 1200 1290 1330 1490 2030  
 1400 1250 1290 1430 1910  
 1600 1120 1310 1450 1960  
 1800 1120 2550 1270 1670  
 2000 0820 0840 0930 1230  
 2200 0600 0620 0670 0860  
 0000 0570 0580 0630 0800  
 0200 0560 0570 0620 0790  
 0400 0540 0550 0600 0770  
 0600 0430 0450 0500 0680  
 0800 0910 0950 1110 1590  
 = AR



**4735 kHz, 21-10, 0700 UTC**

VVV VVV PROMRCh = 2110 =  
 1000 1150 1200 1370 1910  
 1200 1290 1330 1490 2040  
 1400 1250 1290 1440 1920  
 1600 1270 1310 1460 1970  
 1800 1120 2550 1270 1670  
 2000 0810 0830 0920 1220  
 2200 0590 0600 0660 0850  
 0000 0560 0570 0620 0790  
 0200 0550 0560 0610 0790  
 0400 0530 0540 0590 0770  
 0600 0430 0440 0500 0670  
 0800 0900 0950 1110 1590  
 = ABV

VVV VVV PROMRCh = 2110 =  
 1000 1150 1200 1370 1910  
 1200 1290 1330 1490 2040  
 1400 1250 1290 1440 1920  
 1600 1270 1310 1460 1970  
 1800 1120 2550 1270 1670  
 2000 0810 0830 0920 1220  
 2200 0590 0600 0660 0850  
 0000 0560 0570 0620 0790  
 0200 0550 0560 0610 0790  
 0400 0530 0540 0590 0770  
 0600 0430 0440 0500 0670  
 0800 0900 0950 1110 1590  
 = AR

**4735 kHz, 25-10, 0700 UTC**

VVV VVV PROMRCh = 25 10 =  
 1000 1120 1170 1340 1870  
 1200 1260 1300 1470 2000  
 1400 1230 1270 1420 1900  
 1600 1240 1280 1440 1960  
 1800 1090 1250 1270 1690  
 2000 0770 0800 0890 1190  
 2200 0560 0570 0630 0820  
 0000 0530 0540 0590 0760  
 0200 0530 0540 0600 0770  
 0400 0510 0520 0570 0740  
 0600 0400 0430 0480 0660  
 0800 0880 0930 1090 1570  
 = ABV

VVV VVV PROMRCh = 25 10 =  
 1000 1120 1170 1340 1870  
 1200 1260 1300 1470 2000  
 1400 1230 1270 1420 1900  
 1600 1240 1280 1440 1960  
 1800 1090 1250 1270 1690  
 2000 0770 0800 0890 1190  
 2200 0560 0570 0630 0820  
 0000 0530 0540 0590 0760  
 0200 0530 0540 0600 0770  
 0400 0510 0520 0570 0740  
 0600 0400 0430 0480 0660  
 0800 0880 0930 1090 1570  
 = AR

**4735 kHz, 22-10, 0700 UTC**

VVV VVV PROMRCh = 22 10 =  
 1000 1150 1190 1370 1900  
 1200 1280 1330 1490 2030  
 1400 1240 1280 1430 1910  
 1600 1250 1290 144E 1960  
 1800 1100 2550 1270 1670  
 2000 0800 0820 0910 1270  
 2200 0580 0590 0650 0840  
 0000 0550 0560 0610 0780  
 0200 0550 0560 0610 0780  
 0400 0530 0540 0590 0760  
 0600 0420 0440 0490 0660  
 0800 0900 0950 1110 1580  
 = ABV

VVV VVV PROMRCh = 22 10 =  
 1000 1150 1190 1370 1900  
 1200 1280 1330 1490 2030  
 1400 1240 1280 1430 1910  
 1600 1250 1290 144E 1960  
 1800 1100 2550 1270 1670  
 2000 0800 0820 0910 1270  
 2200 0580 0590 0650 0840  
 0000 0550 0560 0610 0780  
 0200 0550 0560 0610 0780  
 0400 0530 0540 0590 0760  
 0600 0420 0440 0490 0660  
 0800 0900 0950 1110 1580  
 = AR

**4735 kHz, 26-10, 0700 UTC**

No transmission

**4735 kHz, 23-10, 0700 UTC**

VVV VVV PROMRCh = 23 10 =  
 1000 1130 1180 1350 1890  
 1200 1270 1310 1480 2020  
 1400 1240 1270 1420 1900  
 1600 1250 1290 1440 1960  
 1800 1100 0550 1270 1670  
 2000 0790 0810 0900 1200  
 2200 0570 0590 0640 0830  
 0000 0540 0550 0600 0770  
 0200 0540 0550 0610 0780  
 0400 0520 0530 0580 0760  
 0600 0420 0430 0490 0660  
 0800 0890 0940 1100 1570  
 = ABV

VVV VVV PROMRCh = 23 10 =  
 1000 1130 1180 1350 1890  
 1200 1270 1310 1480 2020  
 1400 1240 1270 1420 1900  
 1600 1250 1290 1440 1960  
 1800 1100 0550 1270 1670  
 2000 0790 0810 0900 1200  
 2200 0570 0590 0640 0830  
 0000 0540 0550 0600 0770  
 0200 0540 0550 0610 0780  
 0400 0520 0530 0580 0760  
 0600 0420 0430 0490 0660  
 0800 0890 0940 1100 1570  
 = AR

**4735 kHz, 27-10, 0800 UTC**

Switch to winter time

VVV VVV PROMRCh = 2710 =  
 1000 1110 1160 1330 1870  
 1200 1250 1300 1460 2000  
 1400 1220 1260 1410 1900  
 1600 1230 1270 1440 1960  
 1800 1090 2550 1270 1700  
 2000 0760 0780 0880 1190  
 2200 0530 0550 0610 0800  
 0000 0510 0520 0570 0730  
 0200 0520 0530 0580 0750  
 0400 0490 0510 0560 0730  
 0600 0410 0420 0480 0650  
 0800 0880 0930 1090 1570  
 = ABV

VVV VVV PROMRCh = 2710 =  
 1000 1110 1160 1330 1870  
 1200 1250 1300 1460 2000  
 1400 1220 1260 1410 1900  
 1600 1230 1270 1440 1960  
 1800 1090 2550 1270 1700  
 2000 0760 0780 0880 1190  
 2200 0530 0550 0610 0800  
 0000 0510 0520 0570 0730  
 0200 0520 0530 0580 0750  
 0400 0490 0510 0560 0730  
 0600 0410 0420 0480 0650  
 0800 0880 0930 1090 1570  
 = AR

**4735 kHz, 24-10, 0700 UTC**

VVV VVV PROMRCh = 24 10  
 1000 1130 1180 1350 1880  
 1200 1260 1310 1470 2010  
 1400 1230 1270 1420 1910  
 1600 1240 1280 1440 1960  
 1800 1100 0550 1270 1680  
 2000 0780 0810 0900 1200  
 2200 0570 0580 0640 0830  
 0000 0540 0550 0600 0770  
 0200 0540 0550 0600 0770  
 0400 0520 0530 0580 0750  
 0600 0420 0430 0490 0660  
 0800 0890 0930 1090 1580  
 = ABV

VVV VVV PROMRCh = 24 10  
 1000 1130 1180 1350 1880  
 1200 1260 1310 1470 2010  
 1400 1230 1270 1420 1910  
 1600 1240 1280 1440 1960  
 1800 1100 0550 1270 1680  
 2000 0780 0810 0900 1200  
 2200 0570 0580 0640 0830  
 0000 0540 0550 0600 0770  
 0200 0540 0550 0600 0770  
 0400 0520 0530 0580 0750  
 0600 0420 0430 0490 0660  
 0800 0890 0930 1090 1580  
 = AR

**4735 kHz, 28-10, 0800 UTC**

VVV VVV PROMRCh = 28 10 =  
 1000 1110 1160 1330 1860  
 1200 1250 1290 1460 2000  
 1400 1220 1260 1400 1900  
 1600 1230 1270 1430 1970  
 1800 1080 2550 1270 1700  
 2000 0760 0780 0880 1190  
 2200 0540 0550 0610 0800  
 0000 0500 0510 0560 0720  
 0200 0510 0520 0570 0740  
 0400 0490 0500 0550 0720  
 0600 0400 0420 0480 0650  
 0800 0870 0920 1080 1560  
 = ABV

VVV VVV PROMRCh = 28 10 =  
 1000 1110 1160 1330 1860  
 1200 1250 1290 1460 2000  
 1400 1220 1260 1400 1900  
 1600 1230 1270 1430 1970  
 1800 1080 2550 1270 1700  
 2000 0760 0780 0880 1190  
 2200 0540 0550 0610 0800  
 0000 0500 0510 0560 0720  
 0200 0510 0520 0570 0740  
 0400 0490 0500 0550 0720  
 0600 0400 0420 0480 0650  
 0800 0870 0920 1080 1560  
 = AR

**4735 kHz, 29-10, 0800 UTC**

VVV VVV PROMRCh = 29 10 =

0000 1130 1150 1350 1880  
 1200 1270 1310 1480 2020  
 1400 1230 1270 1420 1920  
 1600 1240 1290 1440 1970  
 1800 1090 2550 1270 1700  
 2000 0760 0790 0880 1190  
 2200 0540 0560 0610 0800  
 0000 0500 0510 0560 0720  
 0200 0510 0520 0580 0750  
 0400 0490 0500 0550 0720  
 0600 0400 0420 0480 0650  
 0800 0880 0930 1090 1570

= ABV

VVV VVV PROMRCh = 29 10 =

0000 1130 1150 1350 1880  
 120E 1270 1310 1480 2020  
 1400 1230 1270 1420 1920  
 1600 1240 1290 1440 1970  
 1800 1090 2550 1270 1700  
 2000 0760 0790 0880 1190  
 2200 0540 0560 0610 0800  
 0000 0500 0510 0560 0720  
 0200 0510 0520 0580 0750  
 0400 0490 0500 0550 0720  
 0600 0400 0420 0480 0650  
 0800 0880 0930 1090 1570

= AR

**4735 kHz, 30-10, 0800 UTC**

VVV VVV PROMRCh = 30 10 =

1000 1140 1190 1350 1890  
 1200 1270 1320 1480 2020  
 1400 1240 1280 1420 1920  
 1600 1250 1290 1450 1980  
 1800 1090 2550 1270 1710  
 2000 0770 0790 0890 1200  
 2200 0550 0560 0620 0810  
 0000 0510 0510 0560 0730  
 0200 0520 0530 0580 0750  
 0400 0490 0500 0550 0720  
 0600 0400 0420 0480 0650  
 0800 0890 0940 1100 1580

= ABV

VVV VVV PROMRCh = 30 10 =

1000 1140 1190 1350 1890  
 1200 1270 1320 1480 2020  
 1400 1240 1280 1420 1920  
 1600 1250 1290 1450 1980  
 1800 1090 2550 1270 1710  
 2000 0770 0790 0890 1200  
 2200 0550 0560 0620 0810  
 0000 0510 0510 0560 0730  
 0200 0520 0530 0580 0750  
 0400 0490 0500 0550 0720  
 0600 0400 0420 0480 0650  
 0800 0890 0940 1100 1580

= AR

**4735 kHz, 31-10, 0700 UTC**

VVV VVV PROMRCh = 31 10 =

1000 1050 1200 1360 1900  
 1200 1290 1330 1490 2040  
 1400 1250 1280 1430 1920  
 1600 1260 1300 1450 1980  
 1800 1090 2550 1270 1710  
 2000 0770 0790 0890 1190  
 2200 0550 0570 0620 0820  
 0000 0510 0520 0570 0730  
 0200 0520 0530 0590 0750  
 0400 0500 0510 0560 0730  
 0600 0410 0420 0080 0650  
 0800 0890 0940 1100 1580

= ABV

VVV VVV PROMRCh = 31 10 =

1000 1050 1200 1360 1900  
 1200 1290 1330 1490 2040  
 1400 1250 1280 1430 1920  
 1600 1260 1300 1450 1980  
 1800 1090 2550 1270 1710  
 2000 0770 0790 0890 1190  
 2200 0550 0570 0620 0820  
 0000 0510 0520 0570 0730  
 0200 0520 0530 0590 0750  
 0400 0500 0510 0560 0730  
 0600 0410 0420 0080 0650  
 0800 0890 0940 1100 1580

= AR

**UM05**

This station doesn't send accented letters. These letters are either omitted or the letters are sent without a punctuation mark.

**5345.8 kHz**

01-10, 0653 UTC	Position (R), Y (R), Armoire (R), etc.
02-10, 0524 UTC	L (R), H (R), M (R), etc.
03-10, 0458 UTC	Neige (R), Desert (R), Serpent (R), Rire (R), etc.
04-10, 0501 UTC	Musique (R), Tsunami (R), etc.
05-10, 0658 UTC	Mai (R), Vert (R), etc.
06-10, 0700 UTC	S (R), Parc (R), etc.
07-10, 0451 UTC	Canape (R), Terre (R), Desert (R), etc.
08-10, 0509 UTC	Film (R), Idée (R), etc.
09-10, 0528 UTC	Hibou (R), N (R), etc.
10-10, 0501 UTC	Coccinelle (R), I (R), etc.
11-10, 0502 UTC	Avancee (R), Tu (R), etc.
12-10, 0700 UTC	U (R), Forme (R), etc.
13-10, 0659 UTC	C (R), Ciel (R), etc.
14 and 15-10	No transmission
16-10, 0549 UTC	Riviere (R), 9 (R), etc.
17-10, 0447 UTC	Mai (R), Innovation (R), etc.
18-10, 0505 UTC	Blesse (R), Hpital (R), etc.
19-10, 0557 UTC	Wallaby (R), Forme (R), etc.
20-10, 0659 UTC	Janvier (R), Basketball (R), Danse (R), etc.
21-10, 0450 UTC	Examen (R), Frere (R), etc.
22-10	No transmission

**7542.8 kHz****23-10****Frequency change**

23-10, 1335 UTC	Profondeur (R), L (R), Maison (R), etc.
24-10, 0646 UTC	Pharmacie (R), Manger (R), etc.
25-10, 0652 UTC	Motoroute (R), Verre (R), Lettre (R), etc.

26-10, 0657 UTC	Baignoire (R), Arbuste (R), Ocean (R), etc.
27-10, 0612 UTC	Dauphin (R), V (R), etc.
28-10, 0646 UTC	U (R), Fourchette (R), etc.
29-10, 0614 UTC	Rocher (R), Armoire (R), etc.
30-10, 0739 UTC	D (R), Poids (R), etc.
31-10, 0649 UTC	Takahe (R), Passage (R), etc.

## DIGITAL MODES

### F01

**10678/13966/18353 kHz, 22-10, 0930/0940/0950 UTC** Message

**10678/13966/18353 kHz, 23-10, 0930/0940/0950 UTC**

57363 36555 36102 59427 67206 02903 95600 06166 99387 17479  
42989 46412 70941 95901 83584 17853 00842 60748 43813 95376  
52279 46695 65694 07207 32068 91312 29530 92146 95625 53683  
15773 52624 30944 28047 41977 83224 20014 44645 35795 79404  
01123 74965 29936 56060 80468 83568 90045 30654 66528 93679  
11428 50576 25622 58743 45551 69430 82097 57113 42277 01939  
11588 52090 18756 12142 00771 84458 90908 14586 72068 89751  
28456 93195 96732 57390 19408 67495 44732 73924 54976 60896  
44910 17526 70823 50711 53822 95950 05602 04598 56708 45137  
62719 33117 49029 30646 86255 13094 72005 19108 86984 61458  
00605 11891 79429 64274 07396 58150 15886 90617 50733 89468  
28363 46019 60681 43261 14369 45136 21143 67143 27476 08350  
71610 21436 58618 11987 76979 22005 19042 46825 38876 90625  
60858 64601 46918 05047 96125 17189 93355 65953 00412 18140  
99532 23010 11757 81273 27599 27172 60998 16015 75913 01461  
94362 84143 81577 47373 74296 47667 78533 29133 69446 62493  
84671 02954 69743 97586 16367 83512 87517 84301 53914 64820  
30590 25586 06255 37671 58270 19724 48483 70856 56207 78326  
30522 19181 00000 +++++ +++++ +++++

F01 – FSK 200/500 Mon-Fri schedule

**11129/9082/7344 kHz, 01-10, 1015/1025/1035 UTC**

67995 27231 96236 14700 45690 76560 48238 06854 94046 90549  
50594 37602 27304 77763 08010 14925 82608 85149 36261 97844  
30830 20838 19922 03841 07389 77038 70588 18708 55288 13961  
90279 32287 97549 90727 69690 48526 81220 54180 76007 43279  
60161 21537 09961 68307 08779 17847 36794 24907 83916 54146  
20857 55598 77064 57295 18492 27328 24095 87400 08914 04602  
64708 03774 67762 36007 68766 65368 13021 58067 00000

04400 31139 49530 96643 91316 01822 73198 14981 26636 14865  
11949 32936 20152 14715 40427 60826 83871 38538 05086 09011  
35091 75320 38432 52897 90181 78584 41351 38285 60050 87399  
06923 94223 83182 35388 84187 45581 57233 52401 05289 42506  
55084 88561 24434 48967 36311 15358 42100 57574 90000 83472  
12946 22840 69850 42039 60839 30100 07498 49013 49462 42259  
14997 27343 81905 91556 12406 46627 27723 08540 41399 34951  
00847 05431 50864 50581 36834 56080 65394 68220 42856 39682  
72637 59488 18887 40454 90432 72338 73514 20456 99659 39082  
82824 07744 53760 67717 65781 67042 00847 96241 74558 45126  
79350 14645 23238 08090 73145 59105 00000 +++++ +++++ +++++

**11129/9082/7344 kHz, 02-10, 1015/1025/1035 UTC**

53295 60130 32137 98240 68700 93681 71865 03521 62187 65986  
04910 62196 02027 93475 63796 63725 44658 79121 42262 46198  
02577 70630 79987 88761 50212 08583 97043 52584 72483 87954

95226 56288 85709 81442 68474 96789 85587 98058 89559 51492  
01888 75409 65229 22767 64591 29098 76997 10642 11135 07705  
49770 24672 89453 26761 15480 70887 36516 80171 63938 74792  
37036 52513 98080 26322 92043 80647 35786 57725 52008 38093  
25476 90280 94202 40580 67663 10808 48989 96247 59650 63898  
04723 48892 05556 70800 45950 87730 58860 10914 04603 22101  
89665 26809 28860 44540 93841 38725 99383 30685 86255 79472  
47589 49415 45275 85692 55672 81701 00727 06388 43049 71572  
82494 14693 68914 57652 71959 33790 05599 58703 23447 12929  
62418 11605 47896 14484 64691 85215 75906 97977 17629 18552  
42382 12022 09769 56720 59932 30098 35649 83037 73244 91133  
42413 70782 11583 30788 30017 03017 81634 14410 59747 33906  
67871 07585 50723 89979 32611 45224 69077 34779 32983 85121  
39493 45311 96973 56920 33798 73766 25734 42432 16300 92915  
14355 48237 50536 48651 08279 56507 97148 68078 37549 64991  
57550 96625 96074 52095 43089 62584 58104 28004 74379 92535  
49093 57762 40500 26088 13155 67282 72742 03373 44278 68189  
12603 23727 73507 62451 78685 99012 29260 12736 62240 49992  
12980 89428 05980 19214 57313 30239 45900 98840 58983 73356  
20771 96852 03570 50066 78987 90068 24359 47783 37478 37421  
62478 79428 72346 51924 20468 20092 45941 54767 26517 96923  
00037 59976 51520 43177 69818 63084 46154 52353 98353 32232  
90167 93379 56238 25159 71057 72765 96105 80502 34335 54661  
96693 56858 72556 74768 76135 18022 45309 09038 79193 87873  
47352 83081 68092 23313 67072 33258 71660 78713 02479 55340  
72457 60305 26889 01733 36578 93945 21517 13151 15817 54702  
17143 95714 76890 31689 12051 79394 37385 26598 58421 18729  
13149 09355 34379 21783 06778 79344 43853 18251 91914 05640  
11480 02666 73034 44669 64692 13639 25403 58768 20219 35077  
44896 84042 17155 30309 62381 20985 63809 45050 02324 46292  
90504 40170 90323 69297 25525 40165 39273 81476 36392 08302  
68801 72463 03662 84354 37719 10995 19434 45881 94134 14242  
27745 78963 72930 53958 49055 69367 95295 72878 55994 50045  
49991 09808 92572 65926 61047 56847 54031 41925 71571 97177  
69529 65115 98351 96849 54843 16998 36958 49016 27283 16808  
22011 94047 99993 61788 72320 63952 97842 75378 75569 24563  
62079 99249 92239 13910 35949 90126 83462 00218 48448 07325  
92479 07979 38419 01961 34412 85522 86154 43747 74009 12530  
44722 46329 96078 70925 88171 77094 98277 27584 18826 62392  
60956 60421 00000 +++++ +++++ +++++

**11129/9082/7344 kHz, 03-10, 1015/1025/1035 UTC**

39471 40304 69093 41900 63427 59887 57209 19205 97355 99168  
52728 62044 73399 20650 55567 79945 86469 01481 10098 49515  
11201 67725 55074 02025 56282 11548 42546 44011 29954 98160  
82639 03996 12492 44476 76106 87333 61372 21216 60689 58704  
35892 23252 99788 62622 10972 95378 56512 54341 01883 53895  
40083 91029 21279 41471 77093 79345 13618 22032 84534 65852  
72861 67446 10493 55277 26530 84854 81476 67347 37935 04037  
80930 79490 27230 20450 20720 11804 40987 38807 09188 61079  
00000

74613 49564 61150 49478 62484 41922 98013 52107 55910 58532  
21833 19236 72430 50665 46589 35475 09699 51568 53425 70484  
23896 92525 54048 80004 40114 20773 41490 64400 00318 73360  
07309 77948 33277 21008 09529 82936 52707 57194 25250 28620  
53688 81751 00851 32597 57318 29914 48617 79350 85225 73728  
15379 67480 71282 73615 81881 56855 05436 34337 63824 94142  
10858 67675 59046 62869 00820 20903 14513 13802 38891 54507  
28381 76257 71311 78062 39603 24929 89690 47868 52790 34899  
11212 12570 51468 62083 00000 +++++ +++++

**11129/9082/7344 kHz, 04-10, 1015/1025/1035 UTC**

00000 +++++ +++++

**11129/9082/7344 kHz, 07-10, 1015/1025/1035 UTC**

56363 26403 76900 32753 63241 68811 72286 42710 59714 92343  
34350 67925 24636 32939 26167 15649 28598 90320 55116 41588  
19259 23348 93399 71290 21987 22034 81876 38028 23042 92157  
96875 35624 27448 13410 84684 09656 08773 57017 93406 35477  
92980 73774 56864 56494 43558 88418 10243 81129 40100 61294  
42161 61920 67531 03242 12851 05180 58174 54644 93142 84660  
53817 64567 03934 57666 80009 30945 60840 07033 49738 87727  
53704 57433 38690 49942 15655 39434 99281 52610 61411 99744  
05655 44432 99501 81089 46804 22215 48110 20155 10045 16944  
09209 37036 21998 67460 80689 14625 39281 42671 11167 91374  
06097 98232 27142 15889 20902 78646 87224 36754 79342 00696  
43086 26073 85652 79175 11842 60117 49691 80841 89544 05560  
11817 17517 60484 84692 62776 14300 81965 18108 50805 13808  
49274 68236 93119 02389 70493 32219 33990 69248 05886 57523  
16591 34421 51496 78753 60793 06528 71697 99090 64119 56257  
10337 64799 68018 16506 35188 06232 56658 45114 95395 43787  
80439 11142 96585 82233 21389 90613 23348 41860 42640 82675  
63765 99872 89186 82094 15683 40490 32089 69054 79399 37157  
73329 02162 66478 15342 53490 25617 79353 69316 29462 26491  
41427 31396 14355 03019 82338 17047 96801 29887 08105 94312  
81847 31414 10803 50999 20605 98587 97497 58046 20868 10885  
43089 52527 55872 48814 96777 88718 13386 08121 96826 30674  
52316 51582 73317 84732 59031 59349 43579 95416 20566 63751  
29975 53137 56923 79515 54749 87159 79631 65332 91607 42251  
68765 77708 78722 62473 85613 03041 22852 30524 63173 78847  
49263 36091 41666 40103 77140 71654 41263 51605 25170 79147  
89203 12311 76985 95960 43491 42591 61169 73672 80366 90323  
25490 67994 37734 16780 10065 23332 31730 48226 49132 00411  
88629 04192 56134 20421 59265 38331 71780 24082 08159 52821  
79783 69107 94546 72234 19972 14468 87484 87817 53438 64921  
82221 08122 59435 74229 10037 76914 68696 30499 58712 44320  
62862 72100 45847 02110 94723 07576 12182 19104 08933 38001  
27137 37594 67906 05224 23743 16751 12586 14409 05152 33932  
12746 04351 89920 79845 86547 63969 88248 08491 94008 18437  
26362 27832 34100 33371 61229 42121 00125 10531 52796 81824  
73107 73457 85929 82084 57836 66489 59249 95653 91288 15596  
83052 51235 78093 24468 53500 93178 32740 04294 95257 63450  
33208 60668 89793 11838 15712 86067 31492 45306 65247 31327  
78802 52456 81625 54559 92580 64013 25684 70957 78837 35296  
75354 51903 78060 61589 46295 46842 68308 62366 56743 26342  
74265 95295 41310 69778 99434 85972 43379 46095 23665 84310  
40809 61063 33205 83526 84622 69479 75448 62666 55372 75745  
55591 38597 66872 71268 17359 38420 71976 82107 75008 63429  
00000 +++++

**11129/9082/7344 kHz, 08-10, 1015/1025/1035 UTC**

07984 25265 29528 10202 85573 23530 49311 35668 67037 08463  
96705 59634 88540 57831 20298 98739 76806 97907 89699 67329  
09977 26504 04503 90970 28959 88459 65438 31013 03945 27000  
24933 06111 85798 59413 59248 21662 96994 50481 29384 43091  
41789 82105 22945 73925 40320 42556 94146 24581 16325 83791  
44161 82816 93151 20278 08971 21789 77760 67755 46940 06632  
37406 45380 43276 85520 98676 89680 73568 76135 23587 53774  
93609 83481 42409 64073 00000

50303 13158 49100 76632 75785 15948 48435 42706 65558 23832  
93019 41758 92918 78469 42015 98860 04596 95322 56780 16107  
62495 16111 81928 71601 07408 71136 75681 65035 55638 06158  
62997 77032 64477 53500 09879 34449 27459 52096 42308 98820

85338 46135 58257 20138 63737 17015 06198 23149 73378 28283  
28546 18360 33857 88250 93500 54935 06893 59976 63684 57680  
49978 73289 75042 15289 26389 18564 24439 12056 32471 26911  
89375 20223 28147 66484 28275 95170 81594 09592 34778 40616  
64012 50289 44468 36025 55426 77151 17491 43420 47464 65089  
00000 +++++ +++++ +++++

**11129/9082/7344 kHz, 09-10, 1015/1025/1035 UTC**

40374 42735 75050 31475 74413 50908 56104 89159 82232 73623  
20868 34457 43747 94506 82762 85912 83878 74184 99971 84708  
34884 80646 21013 91289 63223 42366 44090 50838 40675 22611  
82385 88528 64377 38379 52514 20506 55469 72408 28295 91533  
91053 51685 27053 75223 49131 90893 20624 97813 71216 24246  
88248 71411 72319 74130 53562 47653 52974 30009 72836 27704  
93007 36011 66693 89548 31733 10654 12455 18502 64258 47126  
39326 51883 08595 67582 93604 73780 23249 29875 66084 20860  
80001 10162 98865 85140 21539 09839 13741 24680 58640 60217  
29351 18115 86600 23397 59303 23973 25585 12772 08424 30724  
14588 81591 09353 08476 13700 53040 66653 98278 94359 90246  
00628 99960 22284 29674 08029 44436 62756 26335 81857 61421  
62973 84247 57419 78503 91121 70595 76853 12494 36887 37004  
89286 38995 03075 96398 28841 51143 43027 28849 37642 43433  
23535 14868 26047 81589 17924 19587 87260 44404 58996 76242  
08536 48488 06538 42421 46142 91866 09048 27495 56293 77363  
64407 14688 99219 01702 09151 26203 58568 21279 91046 04858  
43325 30520 04660 10660 64449 13779 94593 55766 03394 56712  
56095 26248 14710 28058 87708 64118 29929 67762 75670 08051  
54888 42397 14725 16221 77714 53794 95060 19723 29627 11841  
10042 79980 65771 07379 64430 48607 58255 46127 87780 53142  
18574 29590 82703 57102 91628 93866 62676 67785 88504 42310  
59091 90275 50213 32975 02231 51063 59571 06782 05859 39739  
43420 67347 10108 42194 32362 48411 62355 63755 70195 29794  
40782 65706 90260 87830 50284 63615 00852 91216 45442 60930  
46907 78194 60226 16249 40155 76036 49131 67737 74905 48738  
69415 63094 71665 83879 59151 68536 15788 54583 90757 55214  
83315 17502 04710 86512 71224 32788 53111 54664 74250 16968  
07819 40121 75483 64660 12804 92110 42916 00086 85441 53829  
49144 44301 96409 80694 56390 09083 82893 25109 34056 53419  
74771 86153 00971 63534 38487 47677 09549 42381 68272 53184  
14012 19548 79434 90990 89896 17515 83365 88062 97009 35189  
48993 35986 03028 34668 80337 97508 09937 42162 64866 67074  
50483 99010 72342 83808 46832 23740 08849 20380 48629 71088  
55668 96175 92632 98943 47726 88234 51121 79130 71261 38370  
61260 12974 85427 79920 52608 37601 97503 32568 14959 33887  
46415 38660 73700 72008 74231 39475 64881 55527 90343 14862  
27175 49953 58010 34699 52922 06706 57947 95609 65442 18439  
08660 41360 14806 66632 48198 90402 09250 47423 07028 18964  
24422 86589 26699 73154 57650 79626 04009 08513 19412 17869  
65332 80428 79207 86579 00823 33881 08004 45947 13161 65935  
84459 30936 60538 59425 57098 30916 98573 66417 00000 +++++

**11129/9082/7344 kHz, 10-10, 1015/1025/1035 UTC**

81278 90876 82036 63655 75776 56154 80057 50511 86669 58055  
48524 96526 79604 59167 47119 08885 09312 02262 10288 37720  
90987 60952 69255 29944 88178 72864 86633 46065 15605 47516  
64577 44676 80367 66089 12400 64310 09969 15293 84603 57345  
40589 22480 25263 55645 64048 84236 79683 72633 56908 05607  
59292 71472 40130 92152 70682 54045 42739 62032 44756 50431  
67938 70286 26907 13551 85086 62518 14173 48674 96005 00156  
50291 67071 00000

00055 40406 91887 18742 29350 34727 01430 49786 69502 01454  
71426 14300 28300 94443 20752 29578 81836 17290 57969 66442

99238 65696 86967 46161 71002 87921 02921 89026 95633 36727  
45782 50530 04278 11263 03468 06073 28018 12339 81947 70150  
37546 59502 84414 60943 09881 43382 66720 46263 01819 11717  
61272 31772 34822 12506 86571 77439 21008 42743 84589 53144  
84947 76139 53151 69386 60950 68294 65543 44027 70521 62742  
94496 91001 09684 46323 82770 41947 00858 27294 27493 36673  
88965 34644 70459 43421 86476 62034 11586 94842 97049 04798  
87679 50639 72495 63457 83741 22803 82707 12170 68970 68099  
00000 +++++ +++++

**11129/9082/7344 kHz, 11-10, 1015/1025/1035 UTC**

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**11129/9082/7344 kHz, 14-10, 1015/1025/1035 UTC**

67873 07807 20081 13946 18017 98563 59515 66611 95050 33414  
87925 08259 45302 14958 48169 77458 58086 47083 21182 61395  
56798 59129 90552 37458 00631 83273 73204 45408 39139 96081  
70873 63539 86821 60144 22087 87289 09899 26764 59305 33722  
42500 85603 00935 20334 74423 72249 32889 91607 77666 69619  
59387 91761 63920 64162 27680 07123 90195 42770 56389 26578  
54794 41360 22147 93510 50792 81049 84220 47697 69232 52865  
51821 80571 69209 36925 23764 52308 57039 67037 55192 44160  
41701 76636 31029 44488 58726 87011 50861 91920 79741 23755  
54930 24075 49841 72372 45933 05286 19978 08989 86303 31779  
66561 67088 75671 37714 15449 26233 38187 50555 12525 33685  
74392 69184 08040 94878 57337 63217 46917 93680 77613 16937  
82196 28366 67007 66305 53810 74262 55453 02468 99884 08987  
40971 40205 92742 61219 77282 74766 16804 68945 08792 75511  
30563 58117 07616 89813 79843 77655 92349 55649 54507 51735  
33266 46320 05800 35300 73615 95737 66541 83735 21740 77718  
41330 72634 93668 37710 58946 28604 10888 00408 04169 57042  
82978 01678 71151 77823 29801 18243 05587 04837 22922 93550  
27820 30303 50961 83279 54103 99819 38559 68903 58190 89061  
73637 12765 40443 18083 22656 53089 96654 64154 38537 62378  
03753 59065 90958 17615 64600 81852 73700 55728 79056 82856  
68717 12749 33496 00077 71653 70088 25973 53748 08458 56394  
69221 30072 97804 78394 38669 90046 39005 79203 57660 64339  
30090 47485 37076 20121 45759 25948 11534 10818 29877 92590  
39352 44708 82215 13134 58484 33309 44111 88083 15585 05472  
12743 42866 10414 98160 38711 34460 22761 59803 86599 72972  
14072 27197 63220 81592 20974 61875 43215 43364 82884 56894  
46708 08213 70883 49953 48706 58657 10048 03815 24912 57661  
12429 39940 63657 27038 62860 36284 98638 29874 24788 25191  
42137 55380 58307 52321 23415 29630 67590 82559 61977 00613  
19901 63819 30383 71038 03376 84708 86293 77336 15764 86973  
78449 38282 01308 18663 56258 21691 77962 38961 37684 02614  
22131 10611 15127 11474 03100 40874 03972 95590 84385 56965  
63508 42506 34144 26894 44902 38575 11867 61660 45891 61247  
23519 59725 76926 28470 62336 79714 68413 53668 77439 52274  
73755 79715 37481 67029 47890 90362 81493 95576 06000 22528  
74128 36447 92083 27918 07486 92981 12079 57393 16704 20053  
11229 66530 01516 00575 00363 65810 70940 37732 60804 63874  
53317 73866 82571 77282 38845 71972 15561 05217 46845 20715  
38425 92557 34905 48923 74789 29785 92110 60505 11542 63124  
83549 25694 98845 13389 38265 89587 36585 26950 97861 83912  
76925 07279 67938 69413 00000 +++++ +++++

**11129/9082/7344 kHz, 15-10, 1015/1025/1035 UTC**

08153 98564 06260 13125 64514 19817 44052 33057 85521 68266  
90500 48603 77598 63554 30117 10371 32148 90234 97782 47268  
74661 80184 41471 64315 65639 76081 54749 02061 82319 78628  
11778 91695 02728 19764 61113 19731 66437 25514 70407 04830  
07359 17080 89676 54587 31329 41886 64579 50405 09812 66186

79254 80575 73513 27511 65613 92938 12299 71113 40017 12499  
14659 16349 81824 41775 29713 07934 89863 38411 54211 32660  
10772 68170 34976 34880 30093 49567 10495 70077 00000

99813 01590 47567 48930 30533 62556 63918 78680 25403 47287  
04344 45929 33142 31956 48112 57407 38067 15025 44854 96848  
33617 46829 39572 07715 54900 93209 38984 30481 65922 16513  
25207 79953 02251 49596 03478 36205 57874 48756 25863 44787  
27591 66044 29797 64739 71361 89821 09594 44958 73197 05151  
08728 07391 61686 58913 65228 48608 78121 20140 54553 61692  
03441 98900 31259 36108 78585 87326 42111 07550 82933 27929  
63972 11563 66509 06349 09450 27953 46316 59018 63097 57857  
25198 08570 82412 20880 65128 02340 34864 27115 34173 31678  
05067 47383 73589 89982 73070 23388 13072 71097 00000 +++++

**11129/9082/7344 kHz, 16-10, 1015/1025/1035 UTC**

56797 67114 71841 07795 07182 17390 35580 91312 64033 73635  
55182 73284 54149 27736 54501 70123 20307 72153 63793 47824  
41096 17890 03278 08537 07508 96140 85157 69410 60937 67078  
51289 19674 22303 84202 88672 66866 66970 87690 89971 08169  
25159 25196 51236 87772 12526 23519 24021 26218 20616 59595  
64084 32644 21860 04247 43859 35887 68810 37109 20878 95362  
92306 56198 79342 77667 28250 30546 87032 09853 27678 69325  
34722 45279 29835 05936 50312 03018 02909 20451 04856 66722  
82135 48894 52661 53911 59956 52762 72670 91590 07910 47240  
03291 59174 34950 11551 87870 84616 11881 29862 73012 04710  
16588 36207 26900 25481 79759 61838 69830 43616 35786 08463  
34152 14868 08517 95798 95771 80363 86576 56879 44435 86767  
67910 79549 84971 61225 78259 17595 86675 27031 93252 19933  
23017 70957 18794 51312 68884 98177 09440 02949 47522 35729  
29454 16545 44369 70445 86221 70121 29974 32301 90721 99106  
59189 59100 24726 51114 38810 03455 19439 97853 80871 67985  
75233 52601 83761 79675 77205 66679 08370 39333 86198 03378  
41433 07078 10024 12752 63276 09811 84524 55736 62142 81586  
19204 51013 62282 72834 87086 43075 58007 89368 63506 14913  
70886 47116 43505 93771 72275 53509 92540 23409 38361 51473  
10171 01297 29919 86946 11420 04201 13959 85881 55513 50580  
69462 51645 76651 73231 44376 18779 96531 00635 56074 24030  
23290 70421 52460 80621 66561 23414 75899 66665 23335 51664  
97175 63689 14302 98937 11649 06184 75377 37071 14812 28137  
34087 66653 99429 17466 25503 15457 41444 14303 27414 33057  
66837 14070 19433 05088 16645 61263 95706 35558 52288 44912  
85930 70673 68444 31631 64351 62598 05606 97198 51445 96602  
79544 42620 37960 30017 69856 05597 86008 16446 34774 03342  
86898 13671 44436 67677 80389 98686 49804 58364 65062 38298  
29408 65582 54488 88722 81110 37514 58891 22638 51083 93962  
96982 07102 17177 11936 67655 80796 68863 94153 36234 04019  
50964 56389 14966 79866 63320 94606 42427 70052 33617 17811  
91556 53789 05537 57568 60975 03165 09428 90115 29307 73477  
07690 32010 77165 31935 32042 95251 06511 73178 54886 12809  
12055 95057 61926 70504 84403 33095 18253 06173 49625 77084  
45073 62052 74935 18249 49266 01328 95176 00412 72965 24774  
39794 73599 55342 48440 64977 73529 23788 28297 20676 75412  
56673 42801 07160 95507 84884 69306 00817 38873 24310 15256  
53876 16741 56473 90100 97753 81959 99499 28879 04687 55941  
36603 03392 87361 45553 94274 81911 41217 73379 87371 23365  
59114 69810 73283 16932 73051 00376 82375 02981 02619 26778  
16879 36295 14884 25047 35432 77527 25381 09263 65454 23805  
94913 72421 00000 +++++ +++++ +++++



**11129/9082/7344 kHz, 17-10, 1015/1025/1035 UTC**

02943 41563 87382 00402 11786 58584 59067 04497 24581 03983  
92292 97410 01122 36665 56283 73684 31171 65773 73387 03233  
30206 73164 50221 80833 55576 37937 19070 26869 79002 42700  
87977 31541 76370 66269 22971 59720 20739 92473 10843 58632  
89515 89761 75946 35558 21720 41301 49423 97747 86292 30249  
14317 71724 47372 09887 75000 44174 37481 13307 24359 91599  
74559 82339 07158 90936 83788 20401 03050 28311 10129 98956  
77640 73071 00000

07655 78889 19145 91328 84340 22691 69988 54639 95890 02982  
21927 55701 52861 70267 91120 68547 66607 62258 45797 07630  
50965 31021 35713 43876 46292 81932 80699 16160 20560 97893  
85471 74113 27186 47235 72903 13234 24289 98747 52940 88202  
85057 92281 69346 15372 53925 38353 91469 00346 28225 45185  
43216 51598 70026 96634 86419 66060 77830 29428 00788 97623  
72823 83159 27626 44483 79361 21475 69509 16274 04381 47884  
63108 66925 45427 64645 67337 04172 81983 48144 34033 11676  
29781 39225 53325 74083 00000 +++++ +++++ +++++

**11129/9082/7344 kHz, 18-10, 1015/1025/1035 UTC**

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**11129/9082/7344 kHz, 21-10, 1015/1025/1035 UTC**

67249 45474 06243 53354 05465 74898 21953 59136 91929 01922  
65251 89866 83485 82707 51691 72024 31051 39499 05746 69243  
34229 52409 13503 14590 46401 03655 37584 53859 35000 97666  
11448 85856 26649 05517 55274 10586 91842 07101 80626 21280  
48876 29510 76059 01225 91691 05033 90884 11301 71344 97223  
59254 79185 85768 68475 31777 26153 57525 87529 06830 92412  
04234 00374 78776 46915 31366 12947 45252 92570 02083 59102  
40737 02817 63820 52261 88566 50468 36293 44199 88603 14792  
90616 39391 82731 77741 74225 38367 65373 45286 61283 08506  
31210 54783 33270 05709 77305 54310 19425 95390 01800 64921  
51748 46222 66383 61741 14240 95066 14722 34849 91057 06544  
64026 15883 43297 75657 11958 81305 69069 46936 26048 68266  
26562 48504 07832 64003 24783 64537 48869 54708 11664 94534  
20851 44812 14218 72844 66978 82611 10426 46879 86789 53183  
37564 37463 31642 24522 66632 29741 53022 57833 97584 68096  
70868 17933 55056 53509 54114 44672 89257 66788 30613 71341  
11733 66127 68654 00983 20678 32412 97244 76549 95480 60713  
57344 05851 65205 21419 01254 27221 80675 39422 82329 26845  
44865 64824 02215 43687 81276 33567 07789 22948 44992 41453  
54996 04000 06095 79982 81770 53731 60131 07434 57220 81236  
45321 53647 99274 94790 71186 81932 77976 87053 88297 56544  
46596 59422 53819 89156 67781 21494 72543 62786 26901 26554  
18098 56588 49789 29041 64022 19974 67069 74922 79391 69478  
92252 60919 68673 06820 05782 23508 60523 81591 62235 43656  
75179 47013 62850 78208 25168 82196 60571 53880 28992 79338  
89806 84773 42498 19308 38075 99379 37605 84037 01739 87980  
83084 79178 93004 06406 07080 65435 90378 97067 46045 22042  
49772 13227 09813 90797 18434 57411 17442 74105 18904 69934  
83568 85457 95175 28455 59928 75791 38250 44498 61742 84174  
33275 67894 33651 86228 95450 35066 34891 38757 86890 22099  
48396 43995 31639 88527 43506 81927 71000 22798 46988 84111  
26409 25310 02033 47440 61990 90007 19937 11282 64023 70437  
54146 46446 79488 41212 51341 29387 80875 90834 59275 00115  
49456 06792 96028 27224 94199 38882 10377 28497 48516 51701  
87962 20502 12030 02220 82955 95644 29544 03404 79885 50083  
24416 59803 15341 10977 28502 86048 14219 36473 75880 44205  
20210 86896 52526 60899 25211 90563 19132 10176 27357 52660  
49260 73014 72337 80628 50021 09442 57723 24493 57445 04178  
04947 55561 23761 71762 28666 31953 38750 32079 58161 24368

52376 92237 90483 00557 90863 95738 80022 91912 83424 24859  
94188 90637 41824 67195 89894 50905 59952 82314 90530 92468  
25612 75411 00000 +++++

**11129/9082/7344 kHz, 22-10, 1015/1025/1035 UTC**

11449 04508 72172 39653 34377 77345 77624 24698 05856 52635  
76651 98242 93275 26382 19563 38281 93798 95417 20574 41145  
90437 56516 47123 36885 72676 28264 22975 73491 01333 94117  
37265 30897 22346 90094 76698 50714 59176 85529 23081 92620  
38511 30333 83360 53349 28950 67192 44386 09212 97376 32152  
69556 68091 12681 76053 00000

44524 65664 09196 42673 47590 76946 58148 14132 58182 95519  
74680 93135 25054 39830 99424 99914 09690 93942 10893 92916  
08789 38694 74951 84958 78794 93085 45581 15731 42161 64383  
09076 41586 80045 30330 88901 28555 41122 01940 53374 59510  
21184 40282 93370 91443 93240 25718 62233 23762 92792 03012  
95081 63574 87966 50753 49694 98870 89198 48545 36167 15561  
78163 40375 27530 19293 60618 17612 68502 47998 72873 70080  
24586 86093 96553 78628 38674 16279 61349 47646 87366 69875  
40448 00949 54186 61635 68321 89497 61867 19958 35575 84351  
30924 48455 40522 53327 56665 79805 02196 44782 21864 07828  
64463 77101 00000 +++++ +++++

**11129/9082/7344 kHz, 23-10, 1015/1025/1035 UTC**

98795 26396 10291 63138 38916 23767 44173 83609 76151 82276  
88125 09131 76202 63018 85583 21699 48153 81899 43493 68129  
61507 38560 95682 70671 68007 69230 85868 35762 14179 53187  
18717 03122 55529 27523 52421 02363 08356 89899 31213 09304  
00072 93969 81254 19187 04024 67177 18347 78965 69703 05595  
40895 45870 84318 25505 06561 64431 26640 76408 16042 79138  
99080 45142 52428 24942 48925 05803 49550 62769 14663 95150  
87775 52242 58355 18200 40681 78803 69978 13663 21045 77410  
54667 33950 99588 20006 38815 19409 94913 58949 55958 71483  
58064 43578 98380 54492 00160 52120 45375 80703 36529 06113  
04113 58405 45782 59531 24037 07640 67273 79813 70734 73311  
85365 62968 70218 90342 73955 49950 59554 80564 99694 36488  
04777 86035 07334 93569 72025 68479 35631 40746 62836 29510  
37270 39462 49546 31361 01218 98589 71712 22777 00961 09363  
79520 99775 17057 51888 35095 55961 07440 40424 07658 02073  
23920 99623 23475 59456 98311 88916 56526 57159 46621 17225  
70828 87316 64749 15196 50365 98525 14128 57150 77543 31908  
20735 49911 46131 29516 35932 30729 19598 69807 32549 41467  
70807 09850 34667 71245 63993 38951 04520 84733 64958 73402  
34974 78271 90432 47030 21007 31009 32533 77222 08621 43257  
19250 11145 44649 79228 96918 81807 75864 56364 45589 28695  
70854 48426 63249 62624 63074 94552 79835 79535 38544 31447  
86956 52889 16597 90915 94292 59372 97142 29906 48576 17586  
72869 85267 76118 44410 29820 70398 34802 58737 84792 55978  
86494 87249 32987 01965 25792 51937 04347 33058 26066 44041  
52032 74797 88720 14114 21455 92498 06616 32876 73320 00205  
77585 02561 59106 31851 28995 23440 72428 91817 39262 45207  
24715 27068 67302 57912 18642 88056 25806 02140 17748 70589  
59315 03108 35695 55837 13012 58381 93581 90673 03171 33884  
18766 75534 25213 47908 83627 51988 60289 47783 07714 07194  
66339 08927 71694 37445 64561 10932 16576 37987 57224 70399  
26606 11283 37773 35192 19306 10930 79152 69810 91069 63407  
11288 86556 91768 34840 23671 02199 26794 34975 53974 24800  
09983 75547 48640 00424 15855 25231 06386 74374 04610 28356  
40542 46692 18311 79589 21194 26560 71698 71754 83030 15333  
86073 58979 09863 72863 39679 02376 31738 46817 33026 90418  
95583 69664 92599 51213 95332 53033 61382 98860 72450 34116  
49625 81075 22818 53810 44315 20274 70892 71292 00773 65298

97092 44692 64813 95979 29352 32587 98910 47710 34753 95960  
10807 48237 72215 05362 07996 83837 92144 82906 26528 37082  
93992 33845 07567 63369 77672 47356 20134 98409 49747 78409  
00000 +++++ +++++ +++++

**11129/9082/7344 kHz, 24-10, 1015/1025/1035 UTC**

95992 24025 40670 96384 12716 84740 29661 67924 00909 65982  
76214 97228 04228 37171 58162 02136 30293 03580 12697 97689  
74715 20181 74308 29558 06920 14554 58127 34500 91242 86080  
24614 07571 41703 79033 00000

27949 26527 56722 18930 34801 06590 94138 32055 33278 76420  
96445 38966 92655 37165 18183 31377 41594 57589 05496 26612  
74698 25633 47668 94015 28318 46158 59611 36150 30269 08327  
12499 10707 53178 71042 54728 04093 26117 39896 90411 92600  
84232 34060 07565 52118 61052 66549 73191 02318 53146 86306  
37456 96244 11849 55543 14123 91257 41712 60766 29445 62261  
10387 80932 56710 43148 99621 61181 78611 07411 52054 65554  
44635 23850 93496 07171 15663 48315 35395 79273 12965 37418  
87152 35594 13770 95158 33005 93473 60615 88397 53129 58172  
76648 92114 93684 91804 04066 50385 15462 75351 07901 64027  
75835 37165 12313 40832 23704 46422 61599 69341 12106 94953  
23087 02094 58200 15888 74120 59279 05294 12556 40308 88743  
66612 96078 77233 43275 55493 55089 12804 61119 31692 06020  
92437 60649 18492 97391 94263 85134 70300 66550 06541 58543  
95421 80141 00000 +++++ +++++ +++++

**11129/9082/7344 kHz, 25-10, 1015/1025/1035 UTC**

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**11129/9082/7344 kHz, 28/31-10**

No transmissions. F06/F06a schedules 13396/11123/9089 kHz at 1000/1015/1030 UTC replaced F01 on 28/31-10.

Pacific schedules
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**13370/11538/10614 kHz, 01-10, 0230/0240/0250 UTC**

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**13370/11538/10614 kHz, 02-10/03-10, 0230/0240/0250 UTC**

38777 06682 69108 71777 42802 36337 71193 81990 46607 88123  
39147 92957 87816 77875 65706 11114 87337 28848 35758 79036  
23761 37495 24041 07697 13344 67100 32003 04504 68979 36414  
99757 76835 36626 95502 54075 15753 32596 05992 78352 89571  
30179 67888 15479 01985 69003 60182 39568 94422 85604 87388  
57457 97348 88606 49252 25946 60150 26983 75769 95676 14348  
24814 94739 17631 49783 80987 24017 73149 08484 57280 05662  
13427 25894 03254 24172 19420 74154 91400 75980 18100 87121  
60993 82418 15992 71806 94048 63310 35936 35942 71867 13417  
68007 86329 85572 48880 70540 77694 99095 15893 82176 16705  
88033 78745 30897 50856 02830 29471 50958 96908 29703 86246  
43674 88561 47769 72761 42990 48054 05799 95721 71772 11378  
67027 62695 99765 61793 95482 07468 39137 51330 82246 15113  
38567 14967 35098 63950 61806 07172 79971 26595 61644 15498  
47667 97265 85222 30910 44260 37556 71641 79544 28629 57850  
27780 45578 45555 76571 93281 39898 87831 24444 30636 94260  
85799 85970 01294 85628 47777 95297 13759 20365 99800 28668  
54590 32985 98113 60637 38241 79143 12856 76253 36701 27546  
06375 56374 74844 80473 54608 08185 00000 00000 00000 00000

06404 69644 91909 94915 00096 60565 79811 05886 37166 81509  
85075 47703 87691 61166 17623 77364 48650 19357 26244 62236  
48940 35901 61679 89204 63878 66850 76517 57902 50105 62762  
35344 25212 36838 68723 33580 93225 34409 10790 48458 57844

46030 98545 70557 60212 93710 98464 89340 08175 94280 57751  
31141 59932 46441 83365 73020 87101 14794 05909 80949 59352  
21777 83060 45737 17811 83453 22248 15153 29427 50075 27256  
45679 39483 37381 98429 22330 64432 59547 41199 19975 92259  
99739 62572 04596 82549 79195 60322 97938 83448 10788 34524  
53962 07707 47987 76145 20559 34991 65184 12384 84955 32659  
30286 13419 26245 12168 55544 90280 23488 63327 37534 38526  
92813 33561 22241 07392 51969 44383 56177 99132 35737 62266  
09466 28219 10679 66087 81848 95082 62628 78352 27526 54108  
55379 52371 59795 80544 83992 32576 21404 09137 00000 00000  
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**13370/11538/10614 kHz, 04-10, 0230/0240/0250 UTC**

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**13370/11538/10614 kHz, 07-10, 0230/0240/0250 UTC**

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**13370 kHz, 08-10, 0235 UTC. Late modulation start. 1337z: Message  
11538/10614 kHz, 08-10, 0240/0250 UTC**

27856 64562 20931 17861 57453 52718 53467 93911 77453 16602  
15044 31244 04678 21443 15386 71334 85620 71473 06478 03285  
86704 77981 16618 02832 32873 72003 07609 87073 25029 10083  
97289 95863 90738 46524 14582 35800 47917 70595 79245 47743  
86201 32811 23527 83815 95673 03824 97887 04809 97645 54080  
28012 33934 57172 28155 15259 27862 82000 61728 97763 50986  
37624 74918 14378 63841 33141 20324 38619 61626 57602 83507  
74831 23755 71533 59353 33742 60385 83317 52746 29601 66857  
65136 77005 66084 21976 88139 48505 03159 91082 81549 00924  
22092 19848 45370 67568 30794 29723 71408 05190 76672 50992  
52265 57752 59205 54356 83037 83570 55399 66954 85322 94271  
28336 84029 08346 79008 01980 11344 86773 12359 34456 00684  
59974 69363 66958 62981 82389 96125 74502 70839 79699 09409  
57685 86111 30488 23687 71663 73520 78075 29067 09520 86249  
02213 68525 82213 34438 05336 87906 62298 72533 93049 57106  
83600 66419 53543 85883 14041 26274 65610 82746 43783 16085  
89983 30333 55912 75760 23645 75735 71811 16781 21819 59209  
88435 77316 17325 29694 49669 47759 91984 20584 18951 02603  
79761 84199 45357 99604 06334 08381 40327 32174 94777 63649  
07227 45916 92043 54374 90921 55280 95935 72378 39569 21236  
87255 76427 95793 75926 96810 46026 59452 05231 61980 82984  
89162 25173 52509 59155 34800 13119 70240 33817 18122 79691  
52447 89115 03738 92351 33475 57010 27555 86571 44370 36165  
75169 25544 55183 22212 26553 94370 89631 99835 10620 39651  
66823 70116 35470 90425 49710 11550 87318 21402 04966 98213  
15038 44401 03988 23487 42531 38974 19685 02780 76823 58058  
98769 53703 99155 69928 14212 77117 70983 21506 27562 87496  
72547 35385 15831 66048 65721 75108 42592 35024 58618 40458  
78028 76657 94002 78440 97580 45170 03138 20926 13895 45283  
92013 84887 21769 75663 52385 96172 60765 60760 14669 22748  
25891 19444 84918 28358 76825 43983 33079 82528 35195 87279  
24694 87852 64757 83294 13258 10506 64218 46633 35398 24915  
37136 27183 76081 08530 08814 16781 96026 47624 99079 31820  
38505 40077 79916 20180 57730 06056 72649 10337 00000 00000  
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**13370/11538/10614 kHz, 09-10/10-10, 0230/0240/0250 UTC**

87050 64197 79729 58524 31859 18503 98644 33481 80808 70688  
48928 22429 17009 28057 12812 03134 07347 15646 39538 27062  
10386 07502 80463 31628 91400 95990 02380 50568 92977 38548  
89995 70112 34616 49445 73528 10640 39775 28760 42308 38516  
13793 45747 30377 37793 21133 18788 84985 96450 35374 59106  
53938 86891 60394 70452 52730 45350 46189 21918 97397 79919

47751 36088 14038 61878 00450 59721 60919 80004 10365 09121  
24131 62570 82985 07415 72701 96691 38735 55909 84134 99736  
88741 06714 76280 22467 69311 28828 06509 88607 58518 84862  
24086 00530 23368 60604 86727 65732 70963 14592 77242 23817  
02114 39904 81209 78629 90816 55337 11631 65276 38063 68169  
91495 06683 73396 75693 30186 39392 02654 97701 54678 13293  
25348 57126 81454 94954 70110 50999 40085 29271 21635 78938  
84400 39084 37567 21342 52205 67491 78775 84472 59458 92509  
01431 54628 39869 68790 84343 28580 65837 76083 89996 12464  
11680 79109 82701 06326 45078 28563 52321 16490 57691 57900  
17001 62952 70856 55630 03336 73977 77338 17768 27419 85091  
05038 10164 25211 84658 13618 95372 05654 73223 59980 03767  
24982 28813 93516 53576 05664 95385 67093 49536 48406 36605  
74689 14842 10664 22141 51638 36087 50088 38669 98394 25882  
56363 42779 13787 32829 19843 97944 48668 53556 10460 62785  
15923 26485 65311 22765 17755 12021 08384 82548 76197 88867  
50834 61187 77787 21128 45286 57320 68334 75903 92560 76586  
58721 96068 24286 38429 27686 57903 09824 04486 32507 68280  
60955 95739 63535 81088 32751 90642 03522 37587 44070 21364  
77652 60363 66134 10389 05255 55602 52595 14622 89097 03338  
09549 69210 03228 40377 28930 48252 65278 65600 33717 84589  
04184 22296 08400 15874 59252 37246 13128 49086 71510 21228  
04998 60698 53282 60642 14902 74675 46921 54925 53379 11289  
00000 00000 +++++ +++++

**13370 kHz, 11-10, 0230 UTC**

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**13370/11538/10614 kHz, 14-10, 0230/0240/0250 UTC**

57499 34391 83190 94999 48691 93352 37433 85562 09098 87520  
39959 11596 81195 32191 56768 25739 16350 99983 04948 58318  
65677 18912 61743 56472 44440 38121 12013 15181 55920 90991  
82503 42364 85702 10297 36372 25266 02299 75094 26401 90280  
25061 94046 30348 73434 45325 54850 16855 43692 11699 94474  
15363 46287 15463 69876 88473 58257 36995 33903 30179 73374  
39176 46050 38420 58658 18701 72772 35390 49658 51237 57034  
34031 76689 91372 61785 74163 39223 13280 17048 76679 70592  
03047 25309 89235 60236 38601 04895 21897 25637 18173 76024  
96150 51160 23224 19229 55739 35967 26794 60818 12752 18212  
83192 65086 27401 67677 59973 37941 44929 64074 98133 71652  
38086 03154 11475 85395 28605 97856 61058 41288 86123 66657  
65696 40594 27981 26309 34418 29803 68334 12127 00000 00000

81786 43035 91533 07852 96185 84686 51904 89292 96545 28344  
59830 78986 04597 12897 36011 86647 75038 17483 79338 97733  
65115 53111 43751 51443 93353 00079 44086 63730 23389 70877  
89371 87531 33837 03286 67005 27378 60130 13312 26238 50602  
19270 62691 34422 62300 53421 20630 04447 36266 53299 24459  
16800 19056 47268 68917 84700 49395 67115 78725 35732 60100  
26406 44153 08419 54706 72386 24256 87181 75994 97353 47483  
24107 08595 20434 64334 20976 82867 75716 31747 69975 72226  
67662 33919 76548 01127 79743 69243 12803 05867 47240 58035  
74929 15420 30133 50761 43057 44471 47033 41429 66991 15845  
56083 15853 26262 54520 93774 89460 37936 20411 07601 14350  
10611 72104 43505 60255 68043 78747 74051 95845 90838 22261  
78247 48103 49655 57071 08971 50213 28335 19559 08935 98105  
60426 13131 00000 00000 +++++ +++++ +++++

**13370/10614 kHz, 16-10, 0230/0250 UTC**

**13370 kHz, 17-10, 0230 UTC**           +++++ +++++ +++++

**10614 kHz, 17-10, 0250 UTC**           Message 14

**11538 kHz, 17-10, 0240 UTC**           No decode

51881 59534 12702 99779 99883 41574 68893 89894 92227 92116  
65616 93064 03419 12564 29290 13436 89414 33858 45361 06932  
48268 13424 11767 92306 94141 99001 26863 34566 93142 01574  
22772 55428 34410 44545 80072 50535 34895 81392 84775 18080  
01265 98953 13523 28556 97383 48547 57948 90297 90785 72117  
24133 90520 76596 15580 68094 16524 02330 46566 53258 86769  
42008 18747 40825 46503 93024 49927 49000 07616 94207 06101  
41996 37434 88508 08640 34762 26118 78758 06830 24379 87365  
49926 82912 84045 72102 56319 81842 80599 99846 97166 82935  
01515 37439 29009 55601 02309 79822 88357 66341 10255 12562  
23026 29211 45621 60786 55607 16917 45531 54246 27511 74755  
02788 63173 96999 04563 54189 84626 89672 10881 80127 84013  
24830 26507 01113 21476 66145 59634 82209 17828 70102 29761  
81326 39727 30613 84548 02281 08779 43271 14836 38553 64245  
37672 09976 18944 34064 51231 20699 90216 93849 42951 21678  
99089 18571 70562 50988 58094 56592 79479 48658 07079 80769  
77018 21473 06028 96276 90297 26252 20164 09866 31273 88760  
83271 90234 17334 40458 50178 74196 20911 60262 74340 98344  
46515 53526 78458 60880 58667 85401 55065 43313 09134 10794  
55028 46711 36924 68077 54894 22189 39470 28773 09026 00316  
38448 20370 25452 49145 88653 64481 25386 15542 03389 97509  
15339 29496 94784 66034 32767 76114 52512 14080 51192 64974  
09298 04477 55733 51530 66701 41484 24985 90253 79582 86872  
80181 24207 22655 86653 87582 40721 87849 50636 25023 47881  
85077 52008 48551 51500 46244 39120 20114 37260 54526 76668  
82205 87727 48220 58455 90431 88914 72297 14257 00000 00000  
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**13370 kHz, 18-10, 0230 UTC**

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**13370/11538/11538/10614 kHz, 21-10, 0230/0240/0250/0255 UTC**

**13370/10614 kHz, 22-10, 0230/0250 UTC**

38218 01282 88014 15387 29019 47165 43517 56825 23310 91522  
16830 16079 58329 36832 76767 94331 00515 92892 35380 42135  
29161 63873 26970 73269 99479 32344 71983 02925 27232 51215  
80442 83626 62140 79513 74620 37365 42247 22964 35643 07342  
46428 65271 03702 77788 87230 01083 86567 35293 11235 06530  
56094 70058 99116 08322 37399 40545 82618 37298 20398 49535  
20582 77400 48406 07838 01269 45986 63462 75698 63130 66431  
13090 19328 51217 18957 48164 17008 51434 80606 66585 96584  
69796 90335 82432 00024 48914 00123 25306 98827 38852 98061  
99517 08776 64582 14362 57846 77422 57203 46194 69517 42777  
41119 62323 87125 86621 94354 73464 42151 30891 24216 79299  
23792 50557 25457 28085 20779 01454 13161 49808 30865 86481  
47515 48801 67681 08633 92669 66774 15639 84261 76855 52195  
40578 15054 45977 96953 76829 42119 27830 26244 60403 30659  
49170 52616 22969 58625 72782 30119 10329 07831 46774 69477  
02062 80937 83253 15153 00000 00000 00000 00000 00000 00000

04896 28833 00768 75146 12754 15442 57409 11398 34519 03269  
73879 92035 87262 05286 28095 46957 97009 09305 22573 81007  
24291 74507 10816 24660 11288 35883 63245 82441 17728 52509  
52379 77563 37760 60626 61932 16167 14958 17427 49525 19642  
97657 46512 17708 98452 01824 20939 72950 65897 73613 44807  
77333 15253 68839 19319 22580 08733 91509 04246 81154 51699  
58646 10743 14093 50566 83553 86456 40253 77838 94729 78840  
96694 92700 32620 87646 44840 90629 91375 42502 02141 80435  
97832 66528 03908 12184 44881 11932 25011 04440 21407 78501

16128 44258 06020 50955 34230 58369 16726 16077 71999 78995  
33749 45569 15847 52728 37685 55566 87246 65917 30173 78752  
47049 84991 29274 10003 67469 35167 56750 11514 01446 65968  
59413 88324 04040 77002 31758 70203 85583 02425 32040 60804  
01249 77536 09005 40061 06727 35945 81445 30729 34711 10729  
37784 65028 71873 38050 47856 12328 41005 86631 04092 53794  
18035 61568 34278 14955 38580 55876 53087 92107 73755 48248  
44573 33516 79895 70422 92798 61328 51890 16167 00000 00000  
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**13370/11538/10614 kHz, 23-10, 0230/0240/0250 UTC**

**10614 kHz, 24-10, 0250 UTC**

08119 46968 56163 73788 29655 20173 16107 74642 97309 63933  
05225 86169 56433 25881 41053 67916 39012 12211 60881 12935  
18395 05076 27501 70316 90686 13289 01466 00231 18733 36020  
78296 53689 99645 44152 14055 94185 41798 09021 87745 03435  
62229 33185 73963 38368 40402 62950 24235 31596 89237 87314  
80488 52504 29378 53021 69094 71194 77609 50418 48899 92431  
85379 49806 11717 51813 88352 92960 58680 91315 52937 69516  
00926 56437 30723 32902 58022 82104 56764 35520 52592 59535  
52653 87840 24567 01247 20310 71119 13502 46399 37436 58412  
82397 73649 90565 23575 81468 13727 06650 42942 75280 78886  
69117 19373 81709 51460 29340 83337 96157 98663 49452 50755  
99453 05872 37450 42242 72890 45528 60514 93489 68816 23897  
47498 11430 10250 72826 16505 55895 17912 78723 88509 51456  
88159 65920 72942 59114 70220 76627 36195 62554 16189 14647  
88962 48633 02210 45055 53380 86787 44293 67023 95876 37062  
57196 01966 36689 41441 29806 64217 71575 78154 15467 06411  
69465 83676 60685 56751 23580 72078 20647 90372 80961 06430  
34999 01964 72352 01946 62311 71850 11762 65555 96672 42724  
48847 01581 14857 49199 85465 38227 27481 67391 92314 54546  
32619 76707 86615 12590 95285 51023 56759 24416 01238 21444  
17200 00000 00000 00000 00000 00000 00000 00000 00000 00000

32656 22632 03426 25075 62278 20842 40169 13344 06740 60590  
35406 18396 08270 09257 82166 61020 24014 93560 93993 83719  
15382 40052 76180 50627 66398 60633 22101 72919 29503 75281  
95573 64399 22216 89163 85206 56942 23137 66338 41643 30499  
40683 67227 33659 37330 53025 42038 84048 25169 42654 97336  
71228 88997 74008 77953 07501 06126 87611 31400 29917 34252  
09147 47005 64679 77209 96910 86932 51008 48067 76086 51293  
35423 84285 33269 44515 72373 94609 69678 35183 92151 42388  
36510 26510 22028 95007 00843 79647 71550 94122 15556 57016  
17935 26379 91687 77842 52498 99310 96668 03085 74058 52100  
26876 98551 40247 55892 27941 97178 12670 83335 61243 91269  
56851 52070 40042 40882 82902 71804 83665 71536 37849 49713  
63208 89861 85556 33809 37172 55525 35190 98999 00481 20080  
04151 05504 95317 74876 26416 84318 57207 75253 42232 29425  
94798 33185 30090 01420 26774 95566 66926 72258 24320 50339  
27479 65805 32606 27629 58745 73864 69708 88098 90477 52388  
26403 15687 67640 27553 15286 56938 15793 66381 42637 74089  
75305 91605 01485 04131 65372 45453 09291 40993 63736 32049  
38711 83081 13084 93119 14851 13324 90029 96679 77468 03919  
18190 00000 00000 +++++ +++++

**13370 kHz, 25-10, 0230 UTC**

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**13370/11538/10614 kHz, 28-10/29-10, 0230/0240/0250 UTC**

91907 81955 68121 77727 40385 55425 07597 19254 86238 63214  
76146 95076 56004 91775 49948 80681 75138 83510 91573 16747  
61060 70702 63392 94871 45580 56418 75826 17636 68909 53318  
25166 06403 12447 16319 00615 55314 62515 30036 65269 54926

22246 36954 40705 33891 13792 17253 49867 92162 38066 56233  
97946 24131 84182 60277 95934 55140 05792 07286 56541 39824  
06502 42513 17160 95688 01562 55767 69572 70399 48015 00881  
01085 66180 60480 43413 76770 69795 54781 47505 17514 61522  
86580 37844 53546 01576 77234 97643 58153 17402 44031 88619  
91253 40296 77019 03861 07515 64772 29602 89546 08722 29122  
15083 96463 45062 40602 26370 47227 95025 93694 21001 30179  
78609 54863 38686 55869 83506 12252 43572 37084 08971 13772  
08381 78339 57049 41950 82650 85786 25859 99284 12228 33466  
84605 01685 02232 46849 35029 04840 40654 89596 88962 10558  
24791 64479 16686 27346 57701 64400 45775 83393 06865 34448  
15124 15430 42237 30924 13830 81904 95889 88277 59629 73921  
10415 29896 96574 22354 68289 83667 16630 24604 19385 88281  
34889 39415 48807 01175 73089 23200 52256 44087 31111 06297  
11095 47143 51160 32617 84308 77415 04307 11103 59548 62885  
54079 52438 30449 47768 76794 89455 92391 40109 43316 04666  
73926 37606 91922 13360 46014 42598 46976 75711 76294 02145  
63085 36320 20558 34144 99439 14639 68615 25419 54004 94708  
86749 12723 12271 87657 23929 82580 90244 65381 73991 50926  
76358 88863 10958 08456 01995 79548 39692 42642 95316 07232  
29070 72350 98083 92885 19859 55982 50137 49861 24493 59102  
71261 11909 60927 92463 95081 21459 87767 56389 34715 76583  
32850 52436 84833 60092 32467 48280 89848 99197 23432 06765  
32895 29176 55152 15043 25302 59477 13919 74757 01239 65712  
76585 39195 47226 55953 35829 08347 21201 84788 64188 17815  
40808 13577 09044 82516 45634 40315 35757 81090 63040 47590  
61137 91983 32305 42019 44421 17124 66749 83641 27969 54128  
58540 28686 44851 02991 55863 34153 35516 18172 67129 97654  
40727 42042 71940 30938 62960 80607 43466 90553 13443 07460  
11940 14068 87023 06881 23955 35299 32068 92057 77247 76986  
07554 59317 35656 44335 44563 64343 53945 67884 54360 31303  
19350 00000 00000 +++++

**13370/11538/10614 kHz, 30-10, 0230/0240/0250 UTC**

**13370/11538 kHz, 31-10, 0230/0240 UTC**

**10614 kHz, 31-10, 0250 UTC. Modulation for a few seconds then idle carrier**

24182 61045 53927 67343 35327 84180 20237 19915 42668 40076  
79543 35040 08420 05302 17222 27161 87657 44572 28491 05656  
58661 81194 14435 73665 10774 05120 65997 66850 31970 79530  
40669 55539 63312 31897 61520 58683 92505 40449 93301 43069  
43697 51987 75268 06228 85758 91987 15444 66459 76192 52925  
75980 08442 82884 71758 04339 57825 50866 32509 89941 83283  
06290 54880 51011 49434 14797 54847 81263 69078 36468 88157  
11163 28198 44540 12674 63402 82136 00086 30511 07324 46416  
99833 95889 41937 30619 39320 99654 62251 88767 58562 66381  
88588 84656 62440 25030 63575 95552 32968 39064 46495 02717  
75649 06981 59697 42183 67108 69192 66736 14220 96165 82186  
86943 74928 15571 45915 76106 58406 46559 95339 27956 02907  
03433 92076 76135 79454 30342 77076 01348 46324 67471 70275  
73365 77847 88797 28157 82595 40970 78625 95164 40873 17993  
39072 09894 56193 98957 45705 52011 11044 92083 93506 40832  
99047 25718 00357 21497 99590 40222 60226 99679 95125 93240  
63266 10775 60836 26784 24973 34487 81357 69565 91628 90773  
74228 73033 14155 78074 24778 04526 07853 35753 62117 45996  
39378 69714 30933 71740 09527 93106 38777 03570 22637 83062  
83521 66856 60623 99417 90683 95898 03548 60332 15297 62039  
63966 82765 88029 22981 27233 52730 10216 16719 14941 11277  
27509 48547 13702 67130 36834 44575 36448 71931 06329 70169  
08432 19009 12958 36788 95125 51621 27493 45629 14207 91619  
01542 41525 98801 24447 36318 75539 04202 01428 37835 99683  
75207 45280 88211 42207 16320 69786 87782 36885 31940 49562  
47692 04753 28780 00866 37671 11715 97670 59365 18666 50475  
16947 65836 15030 20217 44607 95689 05947 02473 91424 93295



40778 56632 92206 97024 08032 83505 17386 65950 12623 30397  
92131 44150 41127 36118 15163 23543 19708 39378 94464 91192  
94413 98999 42080 72031 88512 99370 95170 02927 16580 39609  
55541 99025 60000 29837 64802 98335 33589 43036 57366 95455  
98014 95899 58466 00410 97703 57122 19376 83512 28931 06583  
20320 00000 00000 +++++

## ***F02 – Russian domestic net***

15667 kHz, 10-10, 0646 UTC  
12156 kHz, 10-10, 0812 UTC. QSX 13391 kHz  
13391 kHz, 10-10, 0812 UTC. QSX 12156 kHz  
17428 kHz, 10-10, 0900 UTC  
15664 kHz, 10-10, 1007 UTC  
14986 kHz, 15-10, 0800 UTC  
17432 kHz, 15-10, 1037 UTC  
17432 kHz, 15-10, 1052 UTC  
14463 kHz, 15-10, 1053 UTC  
14463 kHz, 15-10, 1102 UTC  
20060 kHz, 17-10, 0720 UTC  
18956 kHz, 17-10, 0730 UTC  
14986 kHz, 22-10, 0747 UTC  
14986 kHz, 22-10, 0800 UTC  
13391 kHz, 23-10, 0641 UTC wkg 12155 kHz (1hr broadcast)  
12155 kHz, 23-10, 0641 UTC wkg 13391 kHz (1hr broadcast)  
18744 kHz, 23-10, 0731 UTC  
13391 kHz, 24-10, 0641 UTC wkg 12155 kHz  
12155 kHz, 24-10, 0641 UTC wkg 13391 kHz  
14783 kHz, 24-10, 0747 UTC  
10843 kHz, 29-10, 1023 UTC

## ***F06***

Link 00000

**9274/7614 kHz, 01-10, 0800/0810 UTC. Repeat of 30 September.**

11100 00000 91543 27056 02239  
42965 36136 18859 82487 03933 18922 13844 19214 79296 67951  
87923 73645 68392 82033 20777 47275 69205 78600 12124 76573  
28405 87660 70295 69569 93053 54071 42301 49967 99905 27787  
83848 00959 63241 46789 92729 25940 47177 42378 54033 68300  
33383 21515 70608 57487 20152 05903 77215 73528 13744 32493  
61808 47194 97967 45105 42390 37995 92910 31848 72857 57198  
38773 88029 76304 28051 65731 09238 29187 00399 35780 44294  
44822 61885 67484 62748 29624 12921 79571 16615 10544 97610  
14319 01041 57131 07824 26654 43576 46669 02598 49925 76755  
45802 10062 74260 73658 07118 04064 98469 51155 04100 72696  
41411 70507 52897 20904 23775 90025 94351 74356 56212 49460  
34715 76784 94745 90823 68491 97950 49412 45318 31851 94469  
57051 41075 60049 90625 54208 11371 47275 71416 11055 08026  
32396 04979 12300 49667 59007 36605 95992 59536 83236 21520  
86192 72541 27743 88624 80404 16232 05347 52378 77753 95386  
60717 15014 58810 34903 03574 26271 53017 60675 31820 92841  
54646 23149 68067 54705 73237 93236 57965 70546 29438 85282  
03786 79445 32196 86775 31707 31021 98233 99472 16223 01222  
99751 21650 10111 35947 51283 26146 53414 89689 71651 13895  
59862 51384 81965 47636 04169 74646 25581 95489 58644 54603  
20974 39078 52568 18484 83468 25889 52747 22173 76738 70561  
88703 69906 80043 34790 70936 99297 82112 40525 75672 98887  
37639 56221 00000

**11128/9446/7453 kHz, 07-10/08-10, 0800/0810/0820 UTC**

11100 00000 86519 04057 01379  
23312 30821 70929 30533 79910 89007 97509 40000 01796 29669  
49464 05415 69092 27324 43897 09829 59728 59968 87558 45856  
06095 11120 80821 04297 81882 22738 76044 34718 48778 47470  
32527 88959 17712 73639 35225 83479 04349 21435 69429 41487  
83496 33722 68588 00797 72134 09926 77456 98344 95741 56414  
97770 67302 17608 51824 08628 07723 35829 50765 78761 16663  
77657 74345 12895 88715 45910 60940 99369 22884 97110 75661  
51227 96751 56060 01956 57934 93863 96513 63762 89945 95274  
42672 51681 23280 71196 71146 51577 76309 33671 18108 99071  
75935 36229 21300 08339 95354 31449 51596 48667 30589 22368  
13802 67203 07977 68673 21379 81331 39802 33627 74785 89115  
70266 82637 98113 71245 78968 69439 13718 82926 34099 70800  
59518 59147 12527 55708 78668 81761 28967 99961 36271 81828  
41420 82112 42835 75637 25067 57135 00000

**11128/9446/7453 kHz, 14-10/15-10, 0800/0810/0820 UTC**

11100 00000 63985 11058 01519  
99959 93456 30588 83642 06738 40448 70807 09784 56327 51061  
78506 28003 78747 83375 59008 14497 77915 46594 81432 05466  
62835 00759 96073 77747 19522 60096 69843 19780 34576 54657  
13216 60088 06361 29940 97120 45475 04711 89197 83205 86111  
65116 08103 15922 09701 28318 76464 49863 91919 61247 46688  
10793 55311 20252 93650 13804 53826 42545 15702 87039 85197  
76816 31456 74427 98325 88935 52077 15843 87881 03697 33737  
28162 93298 68532 39942 35625 44345 50138 68403 22956 20474  
99945 22150 09670 16119 49378 29567 69016 29142 20834 43047  
39985 14615 65323 70941 05810 71112 62710 22500 37425 51719  
45480 70488 25294 16928 31994 61166 48054 71621 80134 26318  
51418 53322 97318 77020 35766 63902 67781 83837 75862 61934  
83087 73125 21148 57873 86805 94145 50027 79265 69274 36657  
76601 98156 73409 03688 33281 37896 97479 69175 77708 01526  
05795 75148 97446 88938 83237 48153 10847 94988 94589 58149  
00000

**11128/9446/7453 kHz, 21-10/22-10, 0800/0810/0820 UTC**

11100 00000 47930 18059 00799  
28104 17989 53017 48204 09439 92542 69770 74833 71653 22678  
84421 11218 85532 33392 52301 60745 76680 71042 71874 24114  
65457 96774 20623 22493 01540 53093 56649 49304 41555 45764  
96943 05293 43213 08238 08246 96596 74385 40780 71444 00486  
60556 41492 05447 28466 19097 71422 61462 41436 53787 20938  
23626 96578 08038 69558 76918 30679 00230 56436 28298 09562  
89629 03659 91998 98318 46304 59586 74925 32034 23480 54380  
23081 91678 55773 84939 14972 14873 31752 59077 00000

**11128/9446/7453 kHz, 28-10/29-10, 0800/0815/0830 UTC**

File 44460 (binary contents)

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Strange one, 6957/9425/11611 kHz is definitely an expected ID 00000 test cycle, but all three of these transmissions had a wrong ~666.7Hz shift and the center frequency was off by about -150Hz. I'm not sure what was intended there, but the 666Hz figure seems pretty conspicuous. They decoded just fine when passing the corrected demodulation parameters, well except for the 9425kHz one which had a stronger broadcast right on top of it. (PY)

**6956.85/9424.85/11610.85 kHz, 09-10, 1910/1920/1930 UTC, FSK 200/666**

11100 00000 67843 09050 02529  
33319 41220 77575 01170 40934 37318 75048 07708 40893 30401  
91561 69114 58826 58063 37335 22695 87290 88239 52795 49359  
99751 07867 45651 27764 65057 13993 40180 49494 67085 30763  
55911 81214 59251 00722 57888 84731 08572 23869 45697 30905  
08965 42910 73458 68338 68471 98127 17960 32803 00098 00331

37122 08312 70954 95297 85984 75795 89381 18164 82394 10314  
34754 61195 39599 12738 59651 03364 07908 86845 19067 75189  
92637 97761 06372 57272 40502 72683 00693 35942 11652 29830  
55408 64492 79552 46552 82443 03400 25869 02540 12053 38002  
22566 59060 32783 97037 18403 60177 41294 20520 72006 66873  
56731 50350 98717 60024 79342 42127 23391 73152 98009 21592  
56338 40911 76404 34129 34615 74224 72440 60776 95809 98022  
70707 99175 76550 12519 32595 32907 52907 63950 93766 37629  
64869 35742 63692 97481 92099 96000 06917 30179 73138 62312  
10750 44226 85259 69747 69079 76710 27152 53035 36976 85088  
71624 78835 35790 91421 80517 89036 13425 02483 99007 41038  
89469 54190 71493 55937 39890 53781 46256 10562 00948 18192  
61071 34290 97056 32054 26967 96597 22239 73765 52316 96253  
29897 83063 74444 88127 10562 68533 90950 08523 62321 78506  
07913 84982 83615 83763 47189 41511 43074 45504 79975 35140  
06102 66993 78827 84778 22884 52348 05326 78286 07502 20890  
75574 68710 62860 50489 70712 95615 31093 48372 84642 92450  
74145 72781 26144 65887 14228 53976 17579 58075 88809 87971  
57355 27732 99856 01474 38356 11029 61998 11446 39513 48200  
79299 27737 32705 86800 05337 72218 72183 97575 66268 12858  
50250 00000

**13396/11123/9089 kHz, 28-10, 1000/1015/1030 UTC**  
**13396/11123/9089 kHz, 29-10, 1000/1015/1030 UTC**  
**13396/11123/9089 kHz, 30-10, 1000/1015/1030 UTC**  
**13396/11123/9089 kHz, 31-10, 1000/1015/1030 UTC**

Files 44411 and 44412 (binary contents)  
11100 00000 30854 28038 00039 61547 32986 00000  
File 44413 (binary contents)  
Files 44414 and 44415 (binary contents)

Link 09501 Pacific schedules

**17532/16351/14428 kHz, 01-10, 0100/0110/0120 UTC**

1 block, 2 msgs, starting at blocks #5 and #5 (malformed, empty transmission)

**17532 kHz, 02-10, 0100 UTC**

**17532/16351/14428 kHz, 03-10, 0100/0110/0120 UTC**

File ZFD\_030 (1536 bytes) 44444 09501 00000 02030 00009

**17532 kHz, 04-10, 0100 UTC**

11100 09501 00000 04001 00049 00000 00000 00000 00000

**17532 kHz, 07-10/08-10, 0100 UTC**

11100 09501 00000 07092 03669

80359 29614 09793 84830 78806 07972 01998 97064 41616 58255  
74736 68026 36191 47048 83744 65535 22304 51607 82277 65701  
04703 91645 23761 84954 86987 67462 96189 70754 18943 65355  
92940 74442 54513 16258 49712 54650 62615 18535 02250 84717  
57965 60877 44571 62546 44114 06234 92367 46340 85879 22709  
81255 64652 53356 72377 54594 74198 04701 93944 20535 63849  
99869 40192 82992 28260 62499 56140 76239 59560 32128 08886  
57789 30556 73926 05017 39280 67862 38141 56582 60023 38426  
86429 81516 32924 97856 27282 49493 17444 74014 27709 09108  
99312 84287 93382 57356 81656 10004 34432 37337 17243 76403  
59061 75107 36527 11616 62193 91638 51185 83081 01316 50814  
37825 34849 76725 29386 31558 74189 58354 19856 84123 80969  
26360 02195 66252 38206 17683 45352 18950 07259 95737 24483  
83404 96085 85442 64842 64181 94000 40770 48270 05420 71376  
36995 43215 84693 67723 04851 44233 54244 16588 48756 31890  
84260 80698 16317 89016 87892 95809 11284 34245 32703 46673  
67156 58777 68216 23575 23615 77297 24285 32872 72974 28999  
59930 59979 68849 89632 67365 08231 14202 80539 60884 62051  
70985 85584 05293 47894 58552 11941 63589 91362 33011 55664  
68557 93957 64740 57981 47987 77901 56230 63242 58184 72456  
67438 14478 05478 40189 40859 47476 60390 66610 43486 69346

94189 61641 67854 32488 92473 46315 59354 39903 25505 23193  
62002 42800 79967 53885 99855 16418 81832 92160 36257 25009  
65036 46044 78103 11922 65632 67362 17320 75717 46127 92168  
26725 18260 79684 80482 52483 75714 48865 28781 70321 68397  
38619 53689 97708 30406 28200 70290 79177 04974 11686 13506  
86971 16490 01812 75983 04225 55106 96778 60921 82838 34891  
14751 73270 93252 11447 25707 97761 08307 69939 35344 37174  
88364 19483 00723 09307 59894 54797 82335 26072 04697 71098  
62290 03157 01968 43143 83292 73690 90371 04373 88113 04350  
42334 87095 64246 37347 67714 09637 23407 06729 89074 21400  
70599 02439 55709 41780 42417 80558 88633 53854 19266 43190  
73715 38802 41202 36394 45147 61986 82073 39640 26424 46621  
61647 45195 21038 95988 00413 50888 70068 50122 46747 14697  
18846 87896 31134 44583 59891 10471 27120 22024 44314 67015  
23695 82667 78848 08659 38789 02560 50727 81601 28564 63371  
47573 95315 72200 95064 92364 00000

**17532/16351 kHz, 09-10/10-10, 0100/0110 UTC**

File ZFD\_031 (1536 bytes) 44400 09501 00000 09031 00009

**17532 kHz, 11-10, 0100 UTC**

11100 09501 00000 11093 00049 00000 00000 00000 00000

**17532 kHz, 14-10/15-10, 0100 UTC**

11100 09501 00000 14093 02139  
17455 62731 60524 73940 25321 38897 91051 02718 88086 38034  
67878 65507 60053 11710 24106 79157 57186 73311 69520 81835  
91478 63642 87315 60383 26513 22475 60599 26609 77655 83243  
14627 72186 05304 33074 85687 56859 74651 05331 52593 09629  
80387 96873 91703 47620 59777 27204 41423 42314 42556 81697  
87099 87822 11083 06105 02289 50911 69178 44509 07284 07442  
43099 37930 30882 94929 63069 25753 86305 35900 98828 17190  
97216 11738 47608 24934 34780 91709 97991 78219 51682 46845  
18101 57458 24073 03378 41514 17643 37351 15417 49402 92716  
76728 61548 72271 98078 08532 95051 59783 73423 63146 02407  
92079 33104 55575 49805 31043 16198 04516 22323 34940 53467  
35927 85463 84880 93403 81990 23752 96530 54544 11434 36064  
15513 96235 52124 92383 19945 25054 91898 81671 78536 79050  
68543 05539 37691 57016 84881 97401 36051 84958 09884 71820  
69924 36965 51762 33693 58022 52657 13966 02009 78950 18407  
70034 27831 79899 04516 18224 11213 79957 75533 01869 46721  
16487 15914 06391 52265 08015 38183 68914 60912 32055 65824  
61420 80376 41313 08049 33355 49873 66710 68653 24673 49026  
80656 56144 85209 38509 19016 87321 61344 37116 85204 01508  
35892 64943 84851 27604 32143 07370 64464 71171 18013 79533  
52537 13714 71219 95975 26535 41364 91435 75151 54197 45139  
70350 93211 00000

11100 09501 00000 14094 01999  
21593 74505 27358 10632 34863 84414 44593 84770 92936 49484  
32403 80952 83621 72397 97439 73619 60060 98529 39897 05318  
17873 95412 19569 60742 84115 91273 17322 17825 91494 39853  
27906 55569 36270 03673 45059 23304 43287 72951 24830 01056  
86576 62351 38064 05717 38958 52744 47982 22707 49085 70186  
73800 67805 69368 19281 26318 08852 83216 13138 26416 01992  
05026 67084 42409 22167 51373 48344 07175 92525 06822 98859  
01007 42449 32810 73447 11136 48880 93029 60463 03837 40637  
93753 77188 70082 70405 62542 57102 30660 84090 13763 71237  
11704 42223 74366 50806 26575 73105 68353 03283 25022 62376  
83366 39130 95572 08695 67857 51362 32074 00227 32251 15120  
00343 91608 52549 99456 65839 86104 99822 08522 68326 52608  
44006 94319 54422 32208 05463 08243 04021 13987 52726 83563  
11479 84747 69879 66063 07538 82349 41999 35001 32898 07350

32098 81596 99400 72630 48019 37224 99731 95700 22700 68498  
51608 63367 56256 81443 87372 23447 93320 01932 24932 83227  
34070 24577 80986 19346 02386 47275 12476 28782 19577 33579  
97189 75658 57109 70084 89476 13522 66772 11033 11981 87804  
11731 27302 69361 48142 46889 01983 94916 25255 22010 39721  
66054 52055 06024 82021 49548 33686 55969 94197 00000

**17532 kHz, 16-10, 0100 UTC** -500Hz idle carrier

**16331 kHz, 16-10, 0117 UTC**

File ZFD\_032 (1536 bytes) 44400 09501 00000 16032 00009

**17532 kHz, 18-10, 0100 UTC**

11100 09501 00000 18245 00049 00000 00000 00000 00000

**17532 kHz, 21-10/22-10, 0100 UTC**

11100 09501 00000 21095 01389

78277 82605 04041 64042 22345 01149 35738 57185 60078 43556  
84759 28512 54345 35772 13802 31417 46702 33492 15975 79575  
21127 09615 95780 70572 15907 82404 53703 27592 25852 95323  
29091 32620 62031 84453 81043 49576 61214 94458 11957 60838  
62209 29018 63448 65568 91278 46670 39316 13307 23830 38004  
35250 71247 14561 45132 79961 48648 13248 09396 17430 26802  
08369 58218 84946 68019 65745 67065 66647 02046 54388 57435  
27228 13358 76742 16823 55509 77783 45512 51597 72566 21868  
74257 08722 84091 03432 73937 27263 81677 36766 72618 05618  
22721 10882 00492 95408 43625 74274 07426 57967 85988 84621  
05223 44361 40472 46861 51761 84886 38028 88095 19234 98976  
43181 42732 13646 61455 29042 46332 37772 86071 38759 61575  
14759 12270 63069 84800 14561 06101 88659 06549 50391 11249  
97011 24537 37387 11085 18427 95135 00000 00000

Wrong (+1) group count in header

11100 09501 00000 21096 01899

74315 66074 53529 50805 45831 32273 86497 19960 85319 59126  
72032 24974 02068 26161 48170 33058 92260 89952 51094 66607  
50274 09370 85073 71655 04680 94341 10081 74697 96147 64104  
76771 76346 39423 25859 63510 55223 36580 09777 95143 80556  
33729 21283 48193 56895 38366 96571 72160 49404 39563 72277  
81638 63147 98163 05245 98903 74823 99203 03329 51694 40378  
83708 53177 55840 26926 02083 55916 37453 42441 56269 06685  
74348 61621 22863 78952 61396 71394 74365 99567 29487 84483  
40781 25455 72793 94482 78723 57919 64024 70867 40232 55479  
62351 17388 58487 31177 43704 42278 92601 45297 08111 13717  
98683 29430 43777 98983 19358 02828 52597 10743 08930 66973  
66769 08889 36383 89317 11219 31402 33394 12110 91505 52645  
79558 47266 11912 92533 42006 43209 53386 25025 11605 34614  
66045 59368 02925 11010 55908 92532 10167 65161 70562 56276  
36237 07174 13437 07275 37146 55257 41382 33757 48931 39092  
25234 77078 89289 76725 78050 91679 51099 10940 80725 91855  
30026 16042 59634 58779 53401 10980 96031 06221 02552 39769  
71870 28393 45777 05118 81734 78361 24162 66232 65568 50460  
57404 36706 41904 65150 61846 43451 46253 96187 00000

**17532/16351/14428 kHz, 23-10/24-10, 0100/0110/0120 UTC**

File ZFD\_33 (2560 bytes) empty text header

F06a files on this schedule start with a text section that normally contains a 5-group header, before the binary file contents follow. Exceptionally, this time, the file's text header section was empty (just three empty lines). (PY)

**17532 kHz, 25-10, 0100 UTC**  
11100 09501 00000 25056 00049 00000 00000 00000 00000

**17532 kHz, 29-10, 0100 UTC**  
11100 09501 00000 28097 04029  
51002 83247 54953 70105 75106 01890 47649 75446 33271 60845  
37302 69066 83136 93901 95748 99681 90917 20295 34966 81156  
70827 10573 80134 76573 99204 25996 10380 20697 20539 17405  
96876 29237 87576 94504 93001 68376 02697 01490 56232 82990  
52744 59960 06460 06987 54506 65059 50425 04224 53021 45767  
26952 13419 39909 25297 52666 95512 83908 42523 72895 06902  
90802 20384 47427 46991 34935 92196 25823 53500 29491 21813  
91964 43962 27737 78563 82532 26850 72402 52933 09092 30769  
35398 23880 38484 25155 15049 13765 11204 30911 83036 91812  
02452 44428 98235 12046 55552 23413 29636 96624 42418 07983  
55524 00542 30763 75439 31136 18597 62725 52177 41940 20597  
74617 31161 84765 25713 12472 68402 43939 51941 23071 56877  
54632 01590 25161 01329 70610 68745 90524 42377 78552 79650  
89602 03396 26147 01923 81355 58562 56142 83562 52056 45555  
63547 07687 32684 71306 18153 73912 49633 84262 19584 42353  
88399 11583 77053 01137 74945 84720 31010 43400 04434 01822  
58870 64699 72000 00370 32020 16763 85282 38533 16271 78527  
63353 08631 32963 30401 51785 31174 22900 42684 08504 02900  
80303 14091 40138 97260 48969 21301 93541 40784 97829 65489  
32177 13744 18086 26760 52053 48601 09117 62434 16898 24618  
45345 10120 17261 82116 41239 81500 83225 04793 56662 57796  
05426 43539 09726 22804 44045 80209 89361 94493 30498 54759  
84778 41056 91469 04208 74010 92381 50010 86845 38726 82869  
83365 90143 97503 86529 42231 45783 74740 30311 61125 00257  
47404 96580 14559 14469 36796 50709 98692 90785 37525 54685  
43175 50952 00878 52706 82834 13337 14765 39678 43937 42924  
47445 48563 24664 72501 47198 17512 74532 18468 15146 22717  
02416 39722 93406 87932 67873 13042 35768 06582 35466 23412  
53066 37411 96745 92727 50460 59605 89610 95317 98786 98323  
69709 33719 07187 56574 13585 73142 89191 14381 58244 58067  
39443 81167 06839 59407 63258 12307 55150 25670 26210 25762  
18560 36572 15905 79768 64196 82515 33172 97485 77945 18401  
54821 49557 21016 65175 35175 30524 55730 57582 38559 90016  
45258 61542 19935 04675 56952 09592 95865 01724 23987 27830  
73002 70151 44985 52811 26273 20417 26325 61808 43972 78637  
96804 64898 81929 26178 49358 32299 93944 20594 89515 55399  
30688 58859 95279 64916 24236 68811 18124 54620 00444 39764  
79789 84060 86337 28214 44562 58740 04715 99578 71742 11160  
73131 91917 77960 31184 49484 12549 64050 19162 91347 03531  
86168 60233 21281 36911 75824 43274 15274 25713 38536 72897  
97400 00000

**17532 kHz, 30-10/-31-10, 0100 UTC**  
File ZFD\_34 (1536 bytes) 44444 09501 00000 30034 00009

Link 10053
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<b>16313/12217/11453 kHz, 01-10, 1650/1700/1710 UTC</b> 11166 10053 13467 01001 00049 00000 00000 00000 00000	<b>18957/16317/12217 kHz, 06-10, 1530/1540/1550 UTC</b> 11166 10053 15963 06001 00049 00000 00000 00000 00000
<b>16313/12217/11453 kHz, 08-10, 1650/1700/1710 UTC</b> 11166 10053 13467 08001 00049 00000 00000 00000 00000	<b>18957/16317/12217 kHz, 13-10, 1530/1540/1550 UTC</b> 11166 10053 14753 13078 00049 00000 00000 00000 00000
<b>16313/12217/11453 kHz, 15-10, 1650/1700/1710 UTC</b> 11166 10053 75369 15001 00049 00000 00000 00000 00000	<b>18957/16317/12217 kHz, 20-10, 1530/1540/1550 UTC</b> 11166 10053 74523 20001 00049 00000 00000 00000 00000
<b>16313/12217/11453 kHz, 22-10, 1650/1700/1710 UTC</b> 11166 10053 14785 22028 00049 00000 00000 00000 00000	<b>18957/16317/12217 kHz, 27-10, 1530/1540/1550 UTC</b> 11166 10053 15487 27001 00049 00000 00000 00000 00000

**16313/12217/11453 kHz, 29-10, 1650/1700/1710 UTC**  
11166 10053 74523 29001 00049 00000 00000 00000 00000

Link 40023

**26185 kHz, 09-10, 0915 UTC**  
11166 09123 **40023** 09078 00049 00000 00000 00000 00000

Note: the **link id** was in the encryption field, and instead in the link ID field we have a good example of bogus ID: 9 as 2nd digit, followed by a bogus value. (PY)

**20026/18269 kHz, 09-10, 0930/0945 UTC**  
11166 40023 14789 09078 00049 00000 00000 00000 00000

**26185/20026/18269 kHz, 23-10, 0915/0930/0945 UTC**  
11166 40023 74523 23001 00049 00000 00000 00000 00000

Link 60070

**11617/8193/7481 kHz, 01-10, 0030/0040/0050 UTC**  
11166 60070 18930 01001 00049 00000 00000 00000 00000

**11617/8193/7481 kHz, 08-10, 0030/0040/0050 UTC**  
11166 60070 14785 08014 00049 00000 00000 00000 00000

**11617/8193/7481 kHz, 15-10, 0030/0040/0050 UTC**  
11166 60070 74523 15001 00049 00000 00000 00000 00000

**11617/8193/7481 kHz, 22-10, 0030/0040/0050 UTC**  
11166 60070 59487 22001 00049 00000 00000 00000 00000

**11617/8193/7481 kHz, 29-10, 0030/0040/0050 UTC**  
11166 60070 14785 29021 00049 00000 00000 00000 00000

Link 70059

**6848/5433/4840 kHz, 07-10, 0400/0410/0420 UTC**  
11166 70059 12457 07055 00049 00000 00000 00000 00000

**6848/5433/4840 kHz, 21-10, 0400/0410/0420 UTC**  
11166 70059 96521 21001 00049 00000 00000 00000 00000

Link 70202 (Mon + Wed: F06a, Tue + Thu: two F06 messages, Fri: null message)

**10541/8113/6791 kHz, 01-10, 0700/0710/0720 UTC**  
**11173/9246/7611 kHz, 01-10, 1200/1210/1220 UTC**  
11166 70202 25864 30040 01879  
57354 28570 63488 42949 42929 72951 82292 93242 34654 27293  
04750 20097 45974 90138 55187 78232 90902 08582 29204 21298  
90972 31774 54963 77105 95183 29382 79203 46403 17607 98410  
95131 11125 22375 06853 54409 63042 10704 47590 30397 88769  
89668 00982 24869 72053 27390 29586 35364 99284 24347 53449  
25364 79165 55483 79394 64505 12487 62804 82752 30985 72925  
03147 64975 93367 84823 80820 35564 13973 08877 19785 91747  
41034 71669 55085 94357 81807 99993 48192 63329 73835 45890  
55971 41269 96534 13356 07949 98528 90309 22639 71558 78216  
75363 73080 10075 04590 87415 90417 62903 03266 72492 69504  
02924 06682 07991 48377 50570 43249 42200 74607 49335 33641  
69465 49874 32395 42633 83182 63698 35027 59966 73819 52275  
32518 08633 64134 43341 08250 04058 98797 73012 81649 12582  
30588 85535 50684 82710 70367 51886 28600 47546 93000 68147  
79586 21856 16432 19621 83048 42198 96085 21588 81188 23557

01790 72671 89566 30924 69404 81740 75347 89245 44346 54275  
32896 80198 59196 49147 11443 99216 12574 41755 74467 71201  
41470 54431 95525 48374 04225 40081 20175 38681 16336 29981  
48715 38216 06289 81668 19403 40185 00000

11166 70202 36974 30041 02039  
52670 75019 86754 97743 01108 19203 37104 93816 88936 24877  
44107 51981 45398 84893 80303 51312 22778 20233 23318 18590  
23211 57753 63379 59615 24015 00622 74208 07421 87499 21106  
95727 29565 66186 30413 02025 61700 39370 05278 53007 59583  
41976 75960 53184 86748 71630 05374 66013 80002 84895 14000  
57260 59938 18601 30299 65788 78661 97212 71296 25234 21904  
12168 83029 84994 07732 84129 95545 03977 49004 44083 72140  
15528 71810 94215 57520 87000 07032 34525 54576 22385 97252  
66083 84466 81442 86177 06902 09677 13783 82760 81323 24760  
31316 17235 68901 44446 67525 31214 23677 43793 96992 69069  
99804 30082 13617 62762 44471 51133 90954 27322 44031 69744  
73135 09155 34299 58917 69778 54374 10950 97582 53346 89333  
00945 71497 82382 30559 80932 09005 99066 66261 53565 06345  
74517 76618 17656 22205 00291 85013 93122 46194 49507 57419  
86659 70934 56047 92112 09061 22446 85243 66909 80149 28526  
94524 36111 82235 29808 07427 94333 48051 63168 49433 49432  
94094 72201 19058 71688 35319 24425 92625 11454 42109 39907  
86180 02440 25484 61015 22962 92840 61449 17960 79876 71477  
90463 69830 11427 81138 52918 25802 74501 36331 46615 76210  
02498 87600 17129 88178 02184 99628 17041 45470 71762 35282  
94935 41201 00000

**10541/8113/6791 kHz, 02-10. 0700/0715/0730 UTC** File 44442 (binary contents)  
**11173/9246/7611 kHz, 02-10, 1200/1215/1230 UTC** File 44442 (binary contents)

**10541/8113/6791 kHz, 03-10. 0700/0710/0720 UTC**  
**11173/9246/7611 kHz, 03-10, 1200/1210/1220 UTC**  
11166 70202 91375 02043 01359  
44822 08363 05850 02373 06348 37542 97674 82062 62206 76836  
58905 35745 86928 75248 91270 30643 84467 66769 10893 53188  
91164 28989 60088 61830 08514 90634 63818 62975 51635 17721  
79184 52272 24423 33003 11443 88402 57276 48418 94957 91588  
68375 15198 62523 83994 34428 21349 51519 14203 81826 91186  
20305 32971 34148 66597 73311 12432 76945 74736 18264 25954  
25759 11836 03967 30820 08288 97807 12098 20932 96657 81347  
01436 41723 50727 00202 27973 84465 58366 26305 89344 02151  
83638 50465 67009 14154 58840 86288 64619 91844 81321 98030  
66027 42344 01023 82060 61350 32620 09685 56622 14541 21091  
67644 39591 70906 88947 29174 18899 27995 88365 52286 45329  
18309 49794 03953 02356 77262 15525 96675 32727 94842 91704  
17332 26470 74384 36011 34250 00014 46926 23139 93445 21104  
14560 55322 39952 43133 00000

11166 70202 37619 02044 02239  
30883 00166 03476 14197 12143 15866 90997 06976 02162 48060  
19806 76820 13512 80978 92860 22592 35787 14025 39381 26401  
34592 25490 77170 83972 97118 69179 39486 57764 91488 39883  
46155 51276 32060 68636 23608 27992 67866 33694 03536 23385  
36401 98176 54835 23425 49909 10308 28554 08029 06400 27183  
20505 82896 42536 48021 81243 48147 70622 67815 28102 77230  
66854 87342 38953 04509 03025 40445 32407 44981 38879 24549  
64119 94574 17293 45330 93896 84426 29486 11489 03295 87623  
42424 40549 68389 01808 05630 61639 17415 56110 79567 26178  
27945 15825 52800 62408 43325 83287 40105 34721 13015 18376  
78732 93691 86555 27075 64993 27789 15836 91552 98371 52674  
45340 40170 25344 99032 95083 80878 00084 84887 65895 46421  
04264 83316 21769 24804 93111 21516 28937 73442 59937 72154



56385 40448 36292 22947 67462 41479 69966 35386 57309 65590  
48010 28578 15764 08530 56952 49105 20447 56911 97418 12872  
89710 71707 95333 29845 50135 44488 76890 47660 98267 24862  
99473 75000 61285 42534 55734 70700 86270 72443 92992 09514  
12787 16392 15157 60476 08448 99621 59356 38802 72153 05775  
64467 17257 34698 98653 73713 07937 11421 04260 38546 50399  
86605 51498 15976 67073 34295 95031 76550 71900 05224 68685  
65162 43130 34553 42869 81877 96209 50091 84431 74976 17721  
85689 42396 63375 46275 29507 08012 30649 11332 61815 22563  
57803 44221 00000

**10541/8113/6791 kHz, 04-10. 0700/0715/0730 UTC**

11166 70202 74651 03056 00049 00000 00000 00000 00000

**10541/8113/6791 kHz, 07-10. 0700/0715/0730 UTC**

File 44445 (binary contents)

**11173/9246/7611 kHz, 07-10, 1200/1215/1230 UTC**

File 44445 (binary contents)

**10541/8113/6791 kHz, 08-10. 0700/0710/0720 UTC**

**11173/9246/7611 kHz, 08-10, 1200/1210/1220 UTC**

11166 70202 81632 07046 01339  
78426 72080 71711 62058 76633 98096 45360 91380 44945 29706  
61368 99813 21931 53085 92298 33539 30365 16463 26056 40852  
30547 90446 36247 67686 16676 43667 29193 36444 29740 00959  
03543 87809 85337 76230 83421 90237 39886 97250 11053 46812  
43643 64495 09790 54149 53977 11275 53488 93039 07342 57319  
03180 55519 73361 73006 96948 38051 39503 96416 03987 55507  
99733 70414 78732 55643 45633 91936 76051 38741 83377 90667  
13391 12124 25044 79305 90836 34214 27662 42593 05058 70699  
25719 31074 28213 63438 24977 35886 05870 69925 71931 07428  
21363 43824 97735 88604 41046 76378 56860 94429 63262 63368  
23600 48304 39665 11278 46460 48196 12311 66509 12992 84577  
72107 51340 48324 26817 59531 11302 70820 95223 93585 03679  
53304 60917 39901 81803 63284 40720 53947 54836 80628 79254  
60276 46131 00000

11166 70202 67124 07047 02259

65192 67598 97404 29269 97609 83654 56796 68180 33865 33095  
43166 87562 26952 71885 66297 61119 44286 06608 81630 53716  
23555 67474 24090 34294 56015 18553 27956 18950 20664 22383  
18701 73885 17730 01180 87737 32910 74917 61799 86022 09172  
24841 76665 97433 05824 77090 37843 77875 55299 33362 26442  
71047 41891 19089 64533 36806 87311 30024 41788 53060 03939  
17189 33993 77145 45417 58648 55664 77603 09315 91530 13915  
72312 71515 02754 55796 33897 57038 01860 26268 48369 76969  
24434 79012 37922 86197 39519 07262 83824 41632 59469 86832  
10354 65601 75691 48558 15691 44114 68694 22298 60740 14672  
65895 19726 51786 23314 45617 48062 77935 55597 10719 71961  
89289 71184 80283 65725 26772 96730 72819 23040 39549 56763  
79396 16419 50996 47234 50163 23534 59130 81439 42683 62643  
82448 62982 05518 04270 87126 65483 95510 51353 56489 23707  
52191 05039 88711 65813 77754 58295 33679 41398 96030 84560  
04943 25027 88915 13590 27712 99949 33659 11694 08818 51668  
89487 08571 39591 26062 06968 37894 67580 31751 58572 83869  
98061 91384 13863 50927 11270 71538 07751 98751 06288 45920  
75253 09830 07533 71559 51196 81703 94783 82670 58294 61120  
42672 31887 32044 62266 80592 33535 55878 36261 08955 88658  
05007 84122 32719 96457 22382 30366 98164 81851 75242 99435  
43804 93829 65651 62163 01409 54305 93474 44428 08059 62132  
95248 15210 15172 47223 00000

**10541/8113/6791 kHz, 09-10. 0700/0715/0730 UTC**

File 44448 (binary contents)

**11173/9246/7611 kHz, 09-10, 1200/1215/1230 UTC**

File 44448 (binary contents)

**10541/8113/6791 kHz, 10-10. 0700/0710/0720 UTC**

**11173/9246/7611 kHz, 10-10, 1200/1210/1220 UTC**

11166 70202 35214 09049 01559  
14267 51267 62358 12731 86555 27446 25414 81292 08201 91861  
38499 52047 40073 99041 00107 21724 62179 05829 53506 76960  
34152 17590 36545 37048 77716 44291 80762 43256 92061 21118  
33261 61925 38069 73341 99762 93520 52312 30104 32302 04825  
76793 16820 09977 26471 15333 80878 86215 82986 52552 30335  
00970 47547 96403 90271 81298 38631 30163 06536 78765 00744  
84835 51511 17086 36423 67908 11640 48469 81696 09395 61369  
42091 42182 11090 53202 53129 32021 09992 78563 45804 82837  
91827 79140 68859 14895 15601 13406 06927 87649 35123 08008  
56200 71895 28448 48699 97869 10662 71157 90517 67741 61085  
14434 91883 45493 34415 53849 02316 11987 76351 99819 58442  
48098 54909 85657 68005 73471 47984 74153 86540 48670 47813  
48639 16418 89128 24520 99449 82932 64370 15927 41748 67138  
80908 35824 25619 00104 72279 17889 24397 48279 44643 37427  
12149 44672 51386 78142 66257 45502 95165 36110 56034 17037  
80833 78142 03315 49153 00000

11166 70202 85961 09050 01939  
08961 29285 80691 23193 70796 47988 73302 39043 00656 83437  
46827 15720 67469 25566 52380 90987 46070 53601 86368 23226  
85064 69141 24617 05799 97446 42993 25345 25673 72412 67980  
61920 70948 31794 34885 71338 17016 79569 73730 29368 46007  
17871 27572 88282 79232 27935 51010 38139 27298 39434 50581  
77519 87588 36622 09245 04691 43791 74730 62131 65105 47168  
05069 15750 16192 84249 32235 27844 95364 60643 51911 90070  
02197 55636 42647 80707 30691 27299 10097 79562 12582 72752  
07130 62282 57610 73306 78255 16235 01718 79143 01806 45170  
99075 13245 28311 54830 18908 99242 38495 36715 33030 42880  
69352 92163 05059 21775 81710 63971 17206 63178 67751 67705  
95617 14398 21899 39914 20182 35591 23528 45422 29747 69607  
04931 10896 58688 68570 02967 76858 65757 81881 17848 85361  
41159 35345 27487 45475 02785 56081 30851 43808 17540 22943  
18757 92231 08720 47097 95543 29996 35340 12469 00064 22429  
54392 30748 99423 23408 01939 90620 53927 93785 53996 05934  
76627 92961 53139 92469 35970 85784 11768 28025 74918 31973  
27972 75477 45035 50250 74923 73521 78932 74362 49753 24777  
49549 43189 92828 35942 89668 92117 13386 89687 70143 37875  
82437 50191 00000

**10541/8113/6791 kHz, 11-10. 0700/0710/0720 UTC**

No transmissions

**10541/8113/6791 kHz, 14-10. 0700/0715/0730 UTC**

File 44451 (binary contents)

**11173/9246/7611 kHz, 14-10, 1200/1215/1230 UTC**

File 44451 (binary contents)

**10541/8113/6791 kHz, 15-10. 0700/0710/0720 UTC**

**11173/9246/7611 kHz, 15-10, 1200/1210/1220 UTC**

11166 70202 37124 14052 01499  
17901 01221 33705 65722 49573 91692 61751 60073 70347 32747  
13394 52369 13477 12794 16393 84998 83849 95997 65184 73187  
47804 40098 53713 87901 41397 06509 69687 45882 14320 48641  
79949 55240 51645 89391 61646 90067 40592 23720 58889 92472  
74501 07267 69585 25512 11201 16945 92141 25423 27958 94438  
86707 26627 40199 08548 30665 57902 76183 97325 73042 33212  
24827 75931 17538 85572 98852 21146 88846 17446 80467 68481  
61979 66062 41736 82836 59249 07128 56862 88612 44629 45341  
48536 70244 70154 65172 35570 79080 54068 40328 73971 07547  
95386 25347 08679 16533 54587 77763 78113 26938 55088 84270  
38765 11316 85219 89326 01972 46553 05372 49648 00106 13525  
90005 63001 24332 54653 59214 44769 01140 25317 79522 50693  
99837 00050 38611 69249 88178 19456 23655 32096 78332 88788

57966 16017 30366 64124 75618 34812 05440 87076 38750 44562  
85890 53976 27233 10717 04403 30465 55389 52147 00000

11166 70202 14687 14053 02039  
92465 42550 86518 03803 51003 83686 19511 30614 20752 43213  
32672 82153 47655 26405 05177 93343 76521 83249 91738 36547  
38174 87966 38904 96823 94517 08060 49115 85967 77445 42622  
90956 87494 82537 34558 79026 49774 03472 86425 71888 69497  
18111 34573 61512 32658 62169 61266 52662 05252 51430 49494  
55670 90854 38425 10135 41012 97297 14530 36172 29150 79602  
93402 63652 14062 51379 36714 44066 43895 81860 08095 57841  
07196 20781 66242 23641 98133 18261 33130 83147 59173 31913  
98250 66019 24621 38326 44828 64717 13494 91147 08941 73876  
45133 92924 07499 73918 76019 72906 95999 63589 81208 87988  
42006 71113 28838 88993 25290 98638 21138 19468 00565 79683  
00380 39184 83768 54249 43208 89544 47798 91302 91787 43058  
38676 13300 95198 04095 48044 02461 59533 53089 02961 93459  
30115 51397 58906 82235 54283 48977 06960 05597 98187 62095  
31063 71319 16016 13235 76329 43420 95111 50406 14318 12289  
25392 88027 16223 04380 66539 36587 69908 11131 11368 13254  
01724 41818 68824 50639 89055 30015 15063 45885 74521 48362  
86009 17274 17776 11316 09880 60548 45843 70579 03071 22120  
87928 32890 77869 31366 05633 54869 35414 59188 54523 94596  
42350 95038 37982 24618 14611 59580 39278 36069 56769 95183  
42807 53201 00000

**10541/8113/6791 kHz, 16-10. 0700/0715/0730 UTC** File 44454 (binary contents)  
**11173/9246/7611 kHz, 16-10, 1200/1215/1230 UTC** File 44454 (binary contents)

**10541/8113/6791 kHz, 17-10. 0700/0710/0720 UTC**  
**11173/9246/7611 kHz, 17-10, 1200/1210/1220 UTC**

11166 70202 26935 16055 02499  
53782 49330 39908 10725 48127 45115 71840 98995 50398 50413  
14836 30378 58767 96689 04220 46510 81486 00576 74980 56490  
09834 22335 22849 86022 82556 81849 52976 64542 40259 24314  
77139 55017 93174 52817 45430 56119 50745 70012 23343 31438  
86459 96059 50223 45437 36386 55017 39985 10837 54823 46879  
10069 77109 75533 47455 49542 14773 51963 03253 62313 75178  
74916 13582 46369 30463 91102 17046 94993 23382 71002 24614  
30886 81675 99486 66471 09141 76683 87623 44815 50000 30882  
29121 09804 87336 04038 49834 00834 43791 12656 23768 20338  
68514 62421 54034 32289 98436 98316 42182 02600 29016 02101  
94337 23604 05394 91835 37610 89808 69897 03160 45181 17097  
26831 56977 93527 22587 10484 43270 00203 07311 67304 75702  
15634 08922 88168 96717 67349 16603 51687 37813 80092 65375  
64477 64673 20249 51981 09354 61855 38025 39546 37364 36717  
05826 43189 64605 47263 76252 13782 59770 83612 08172 62040  
33349 57759 34287 90134 64429 81328 68655 23007 26032 36002  
77575 56580 94920 66314 62298 65055 56817 49488 26990 34471  
42972 22023 30385 14729 59014 67695 44570 07253 92020 96682  
69333 30489 06759 70483 75517 30421 67010 52323 75813 28296  
42943 87743 46435 22737 90449 45047 48111 88447 13396 70296  
19823 38682 44719 36554 43747 43667 07311 92039 04815 22177  
40621 36913 93343 48435 03926 83345 24175 41535 92187 78588  
70743 29575 25455 95711 37539 05677 97733 21710 19374 18095  
96265 97657 20908 61591 27162 90601 34866 62268 08312 01877  
02385 73045 15520 41546 03922 21970 92807 55247 00000

11166 70202 90124 16056 01039  
66258 22228 22836 71782 81628 59270 28829 04763 57206 68563  
22438 59227 15046 52441 50671 21854 21720 84658 61765 06169  
81548 45293 23467 62694 81103 12000 23050 97789 77162 68549  
53757 24625 45315 16590 17362 94715 31394 01570 97523 83463

72928 88754 83635 28138 82810 50283 49844 41740 12342 49196  
18939 51177 35880 31369 65786 33195 24240 61301 40002 46500  
99057 62682 12557 83514 85303 49689 75986 90189 04119 59935  
52904 27330 73175 25024 92509 71857 06746 39630 59760 81453  
32663 15064 46919 71015 68365 28234 62142 74374 23208 01968  
74815 89692 19233 77610 22304 32001 47588 65850 07828 41298  
02770 56101 00000

**10541/8113/6791 kHz, 18-10. 0700/0710/0720 UTC**

11166 70202 40581 18044 00049 00000 00000 00000 00000

**10541/8113/6791 kHz, 21-10. 0700/0715/0730 UTC**

File 44457 (binary contents)

**11173/9246/7611 kHz, 21-10, 1200/1215/1230 UTC**

File 44457 (binary contents)

**10541/8113/6791 kHz, 22-10. 0700/0710/0720 UTC**

**11173/9246/7611 kHz, 22-10, 1200/1210/1220 UTC**

11166 70202 65719 21058 01239

91146 84486 17226 04304 47547 82739 77143 84176 33399 69742  
27340 43404 32368 86846 64687 91899 96824 84943 63826 78823  
27330 15641 01823 59592 26439 94031 40726 52445 00254 00218  
03984 64238 06178 11808 07632 90170 70285 84544 32217 17127  
22768 23272 46371 85311 24885 10421 17988 87880 85842 84202  
73933 13242 93072 83692 94229 59725 04308 03000 51648 77296  
74922 21708 32652 16017 18961 03767 00620 85919 27297 82034  
87295 58010 91356 70647 23401 61060 05847 72414 44337 53888  
48925 73411 31928 77824 63249 41978 78139 19031 86340 74290  
81696 35373 03704 53705 13563 27538 23135 16064 12193 59067  
93667 38136 94515 55009 17568 91397 93573 33871 28855 28331  
58761 52559 36743 93425 79595 68995 57476 76080 18969 52096  
82973 58121 00000

11166 70202 75826 21059 02579

25534 64082 57337 59689 44428 21048 33839 96561 80602 60870  
27215 32315 91538 15366 93587 07795 57616 42173 74844 75863  
35309 59467 15936 06666 77264 15142 54547 54710 61481 01403  
37812 61212 96740 50707 45771 90120 96503 73993 26252 21271  
38453 27128 70866 49118 51863 16514 86801 60458 99989 79797  
44109 89602 49672 02615 03160 74421 45325 57300 51971 61715  
29509 74514 08080 35328 77281 83714 64650 65458 36495 83415  
85517 02604 91243 27167 78836 64560 90639 36195 04031 89933  
10115 74638 91738 56591 37420 48327 81424 88494 00531 13020  
06360 99336 79620 03067 80652 46454 70319 16412 68016 93407  
90416 16879 36965 04710 47214 39686 32117 21111 07711 11116  
16307 88884 38809 18285 63180 41566 09722 89949 04965 57561  
73778 74279 65110 42074 71814 24549 30469 06786 24329 28670  
42723 45731 04593 43513 13737 30799 09916 19947 94515 75299  
73230 29546 52476 39037 82203 28889 36692 73321 98057 22392  
35831 29366 91275 09622 58436 78488 36400 28010 90279 17581  
33095 26923 08435 58258 45662 34008 56786 23145 78214 99772  
12651 97720 27663 31317 99195 11180 81741 51164 23348 44717  
54223 42127 43882 90710 74544 64152 99362 11206 74001 54064  
50650 69159 35717 44164 17630 30878 00577 60617 14882 63081  
46287 87549 15953 73030 81789 07822 00936 65163 24177 56387  
67030 12675 50326 47190 06792 67463 40418 59538 83727 56911  
55551 94885 59955 40902 16608 39954 55599 27544 76597 97156  
44603 71007 03624 68227 16667 99944 16700 02019 59978 49902  
41579 42398 44437 98176 78784 37177 10046 24553 01043 94010  
90178 46356 22298 94211 24385 59255 00000

**10541/8113/6791 kHz, 23-10. 0700/0715/0730 UTC**

No transmissions

**11173/9246/7611 kHz, 23-10, 1200/1215/1230 UTC**

No transmissions

**10541/8113/6791 kHz, 24-10. 0700/0710/0720 UTC**

**11173/9246/7611 kHz, 24-10, 1200/1210/1220 UTC**

11166 70202 71082 23060 01019

36481 36784 68046 86093 75087 89163 06653 62586 74374 67267  
93306 15497 31945 94340 95376 12401 14368 21657 36400 81799  
93229 27541 84919 26056 53554 78196 52404 79731 29268 23798  
67436 49285 45406 28268 18354 95044 71745 56187 81546 41404  
17547 65264 77571 26190 22104 77819 22298 25110 20775 29700  
65256 12252 91192 20083 32377 42542 09337 10586 15320 67124  
70162 47137 74566 17583 52453 03039 48472 19944 32618 66651  
85462 24414 77087 22155 41558 61763 68015 96801 10428 62321  
41972 73123 78140 98489 46308 89507 19811 36749 42884 77594  
80338 10057 13849 09929 06401 46605 49163 56298 21915 60099  
00000

11166 70202 35741 23061 02079

39839 63311 39345 10741 38234 25182 16820 31997 80230 45281  
25624 06114 44179 46201 07885 64611 67052 84656 81430 42883  
32135 83680 69510 72592 49776 30156 57195 07379 04653 04860  
10357 61546 67966 37219 18198 66430 98026 01960 45243 74124  
77646 99838 03749 63265 61792 89644 82451 26544 33923 63653  
92614 44656 94463 83732 17283 76357 29843 20277 74705 19322  
35530 61156 31859 21485 91519 82886 28997 47572 13694 01174  
01180 30479 29496 43060 07713 62210 51365 07828 05427 04054  
46359 08863 26755 20679 25405 13662 48519 67854 00615 24177  
62385 88457 84113 64673 82915 96482 26797 69296 54151 53714  
20476 86532 40672 68772 11839 42756 14066 73202 01656 32038  
70744 54307 27691 24422 42042 49406 54730 09831 82543 31200  
20185 19823 47566 38945 08691 94352 95741 35112 54154 85742  
77633 92218 92678 17057 96324 39529 14800 37048 50922 24303  
90482 38875 98898 67282 65306 34782 98228 17105 51276 03919  
15242 33327 60709 55495 09142 52754 56613 74449 29114 18757  
18016 41832 84977 78256 43668 47081 77306 76086 42567 34372  
97955 01391 84729 50249 36948 65770 10659 84706 56630 17855  
22941 22915 19063 23978 08406 49783 77568 69667 64294 74531  
68371 61613 26863 67485 63282 34816 25873 26250 69345 94594  
13389 13475 86405 48153 40340 61205 00000

**10541/8113/6791 kHz, 25-10. 0700/0710/0720 UTC**

11166 70202 69541 24091 00049 00000 00000 00000 00000

**10541/8113/6791 kHz, 28-10. 0700/0715/0730 UTC**

File 44462 (binary contents)

**11173/9246/7611 kHz, 28-10, 1200/1215/1230 UTC**

File 44462 (binary contents)

**10541/8113/6791 kHz, 29-10. 0700/0715/0730 UTC**

Files 44463 and 44464 (binary contents)

**11173/9246/7611 kHz, 29-10, 1200/1215/1230 UTC**

Files 44463 and 44464 (binary contents)

**10541/8113/6791 kHz, 30-10. 0700/0710/0720 UTC**

File 44465 (binary contents)

**11173/9246/7611 kHz, 30-10, 1200/1210/1220 UTC**

File 44465 (binary contents)

**10541/8113/6791 kHz, 31-10. 0700/0715/0730 UTC**

File 44466 and 44467 (binary contents)

**11173/9246/7611 kHz, 31-10, 1200/1215/1230 UTC**

File 44466 and 44467 (binary contents)

Link 80214

**20321/18629/13983 kHz, 03-10, 1330/1340/1350 UTC. Wrong date. Should be 03.**

11166 80214 68124 02054 00049 00000 00000 00000 00000

**20321/18629/13983 kHz, 10-10, 1330/1340/1350 UTC**

11166 80214 95124 10093 00049 00000 00000 00000 00000

**20321/18629/13983 kHz, 17-10, 1330/1340/1350 UTC**  
11166 80214 12693 17001 00049 00000 00000 00000 00000

**20321/18629/13983 kHz, 24-10, 1330/1340/1350 UTC**  
11166 80214 79465 24017 00049 00000 00000 00000 00000

**20321/18629/13983 kHz, 31-10, 1330/1340/1350 UTC**  
No transmissions

## F06a

17481/19834/22875 kHz, 02-10/03-10, 0600/0615/0630 UTC	File 41410 (binary contents)
17481/19834/22875 kHz, 09-10/10-10, 0600/0615/0630 UTC	File 84411 (binary contents)
17481/19834/22875 kHz, 16-10/17-10, 0600/0615/0630 UTC	File 44312 (binary contents)
17481/19834/22875 kHz, 23-10/24-10, 0600/0615/0630 UTC	File 48413 (binary contents)
17481/19834/22875 kHz, 30-10/31-10, 0600/0615/0630 UTC	File 54414 (binary contents)

18526/17463/15665 kHz, 18-10, 0700/0715/0730 UTC	File 44406 (binary contents)
18526/17463/15665 kHz, 21-10, 0700/0715/0730 UTC	Message
18526/17463/15665 kHz, 30-10, 0700/0715/0730 UTC	157 blocks, 1 msg, binary contents, undecodable

*Another strange one. Proper reception on the 18th, then I couldn't recover it from the 21st, then I received it live on the 30th but it was decidedly just not decodable anywhere for whatever reason. Not seen any other day of the month. Interesting clock issue as well: all transmissions started 7 seconds early on the 18th, and they looked just as early on the 21st. Still early on the 30th but a little less. Obviously, what's most interesting here is that Russian 6 is transmitting from Chita again. (PY)*

8065/5912/4043 kHz, 24-09, 2000/2015/2030 UTC	Active
6923/4312/3735 kHz, 01-10, 2000/2015/2030 UTC	Active
6923/4312/3735 kHz, 08-10, 2000/2015/2030 UTC	Active
6923/4312/3735 kHz, 15-10, 2000/2015/2030 UTC	Active
6923/4312/3735 kHz, 22-10, 2000/2015/2030 UTC	Active
6923/4312/3735 kHz, 29-10, 2000/2015/2030 UTC	File 44487 (3542 bytes) empty text header, binary contents

7954/5452/4035 kHz, 28-10, 1400/1415/1430 UTC	Active
7954/5452/4035 kHz, 29-10, 1400/1415/1430 UTC	11100 00000 30854 28038 00039 61547 32986 00000
7954/5452/4035 kHz, 30-10, 1400/1415/1430 UTC	File 44413 (3621 bytes, binary contents) empty text header
7954/5452/4035 kHz, 31-10, 1400/1415/1430 UTC	File 44414 (1785 bytes, binary contents) empty text header, and file 44415 (1011 bytes, binary contents) empty text header

10183/9143/8138 kHz, 25-11, 1900/1915/1930 UTC	File 40435 (binary contents, 3037 bytes)
13574/12142/11456 kHz, 26-11, 0600/0615/0630 UTC	File 40435 (binary contents, 3037 bytes)

14432/12209/10271 kHz, 28-10, 0900/0915/0930 UTC	File 44401 (3721 bytes) binary contents, empty text header
14432/12209/10271 kHz, 29-10, 0900/0915/0930 UTC	File 44402 (1027 bytes) binary contents, empty text header, and file 44403 (1153 bytes) binary contents, empty text header
14432/12209/10271 kHz, 30-10, 0900/0915/0930 UTC	11100 00000 18473 29004 00029 10582 00000
14432/12209/10271 kHz, 31-10, 0900/0915/0930 UTC	File 44404 (1897 bytes) binary contents, empty text header

## F07

Probably part of a test cycle.  
10643 kHz, 01-10, 1200 UTC  
11467 kHz, 01-10, 1210 UTC  
13526 kHz, 01-10, 1220 UTC

**M42b**

KEVT KEVT KEVT DE ZUDG ZUDG K  
QSA3 QTC1 ZZC K

CFM NIL K

KEVT KEVT  
KEVT KEVT KEVT DE ZUDG ZUDG K  
QSA3 QTC1 ZZC ZVP K

CFM NIL QRU? K  
OK ZVP K  
BK QRV K  
K  
R 064 1718 K  
R 164 1718 K  
SK

ZUDG ZUDG ZUDG DE KEVT KEVT K  
QSA3 QSA? K  
QSA3 QSA? K  
ZUDG ZUDG ZUDG DE KEVT KEVT K  
OK SLV K  
BK BK QRV K  
K  
R 577 1715 K  
QTC1 ZZZ ZVP K

R 164 K  
CFM NIL K  
SK





CFM NIL K  
SK

KEVT KEVT KEVT DE ZUDG ZUDG K  
QSA NO QSY 75122 QSY 75122  
QSA NO QSY 75122 QSY 75122  
QSA NO QSY 75122 QSY 75122 K  
RPT  
RPT K  
KEVT KEVT KEVT DE ZUDG ZUDG K  
QSA NO QSY 78698 QSY 78698 K  
QSA NO QSY 78698 QSY 78698 K  
QSA NO QSY 78698 QSY 78698  
QSA NO QSY 78698 QSY 78698 K  
QSA3 QSA? K  
OK ZVP K  
BK QRV K  
K  
R 929 1726 K  
QTC1 ZZZ K

CFM NIL SK

ZUDG ZUDG ZUDG  
QSA3 QSA? K  
QSA3 QSA? K  
ZUDG ZUDG ZUDG DE KEVT KEVT K  
(switched to unid freq)

KEVT KEVT KEVT DE ZUDG ZUDG K  
QSA3 QRU? K (6x)  
OK SLV K  
BK QRV K  
K  
R 669 1713 K  
OK SLV K  
QTC1 ZZC ZVP K  
RPT K  
RPT K

583 100 031 1700 1357=  
01177 62021 67066 58315 43344 54867 38865 75899 16614 58200  
74530 28507 45543 14013 94987 43583 78933 05377 01485 71184  
57867 50021 50153 47074 70530 20140 59055072804015422 98917  
30703 95409 67064 74674 10172 49250 01191 49601 79175 57126  
75714 15342 66395 55638 01710 46968 65536 04350 63612 46002  
=50=  
80551051057 03566 18275 33994 33356 83820 07204 10768 50687  
43034 68014 68940 06048 45942 91281 92417 17511 19913 03207  
06212 61409 51122 83256 37520 84526 23364 55715 67791 99635  
28471 67710 45391 94676 45515 82646 18485 73474 41192 31618  
45516 21195 70530 03370 01313 56438 40313 24533 22587 50017  
=100=  
-1720

ZUDG ZUDG ZUDG DE KEVT KEVT K  
QSA3 QSA? K  
QTC1 ZZC K  
BK BK BK BK BK BK BK BK BK  
QSA3 QRU? K

669 100 31 1705 2468=  
92782 72705 68934 77755 85325 39187 74415 54864 11898 72055  
39390 02272 99679 12078 91836 72782 65426 15989 31496 40310  
38054 05708 07030 91652 65293 26574 23136 90463 62558 45565  
19874 55452 51584 48701 13159 60198 83105 31433 52477 57750  
38744 91743 28126 69686 14656 54783 90254 52918 98144 77398 =50=  
40742 53207 48965 54749 93521 85987 78198 13256 61931 64333  
34508 86396 96035 36058 31452 56068 25471 15585 88641 63039  
27593 62402 31312 59054 98921 34192 36921 09338 69041 36139  
49609 02616 60483 59188 69058 46361 69656 10836 72495 39597  
32149 31017 39499 26020 31394 25763 70693 40513 28421 07078 =100=  
-1714 K

75

ZVP K  
SK  
K  
R 583 1721 K  
R 583 1721 K  
SK

## **P07**

10396 kHz, 02-10/06-10/09-10/14-10/16-10/20-10/23-10/27-10/30-10, 1400 UTC  
10159 kHz, 02-10/06-10/09-10/14-10/16-10/20-10/23-10/27-10/30-10, 1410 UTC  
9044 kHz, 02-10/06-10/09-10/14-10/16-10/20-10/23-10/27-10/30-10, 1420 UTC  
8154 kHz, 02-10/06-10/09-10/14-10/16-10/20-10/23-10/27-10/30-10, 1430 UTC  
7534 kHz, 02-10/06-10/09-10/14-10/16-10/20-10/23-10/27-10/30-10, 1440 UTC  
6856 kHz, 02-10/06-10/09-10/14-10/16-10/20-10/23-10/27-10/30-10, 1450 UTC

## **Q26 - Chinese military**

**12763 kHz, 05-10, 1025 UTC, 4+4 QPSK 75/3000 LSB**

21II---NIO  
1213 0152 3041 6513 0584 6347 5148 7200 1931 2053  
7301 8591 1544 7626 1931 7309 4453 7207 7309 7981  
7682 6977 8819  
MSG AGN  
64208 23 51 1004 1455  
21II---NIO  
1213 0152 3041 6513 0584 6347 5148 7200 1931 2053  
7301 8591 1544 7626 1931 7309 4453 7207 7309 7981  
:682 6977 8819  
AHR ZNN SK /  
V95D V95D V95D DE THGM THGM THGM  
V95D V95D V95D THGM THGM THGM  
V95D V95D V95D DE THGM THGM THGM  
XYXYXYXYXY HR MSG GA  
64208 23 51 1004 1455  
21II---NIO  
1213 0152 3041 6513 0584 6347 5148 7200 1931 2053  
7301 8591 1544 7626 1931 7309 4453 7207 7309 7981  
7682 6977 8819  
MSG AGN  
64208 23 51 1004 1455  
21II---NIO  
1213 0152 3041 6513 0584 6347 5148 7200 1931 2053  
7301 8591 1544 7626 1931 7309 4453 7207 7309 7981  
7682 6977 8819  
AHR LNL SK /

**19029 kHz, 06-10, 0525 UTC. 4+4 QPSK 75/3000 LSB**

XYXYXYXYXY HR MSG GA  
ZQJZ ZQJZ ZQJZ DE DFW6 DFW6 DFW6  
ZQJZ ZQJZ ZQJZ DE DFW6 DFW6 DFW6  
XYXYXYXYXY HR MSG GA  
2285 499 24 1004 1916  
34O2---2A3I  
8493 7318 0123 6701 9637 4852 2045 5694 7516 8209  
4829 7389 8096 4051 6720 3654 3875 3514 2901 1726  
8493 7536 0523 0142 9768 1354 5926 0127 8710 4869  
0897 6407 6478 8923 6297 1025 2136 5349 1385 4051  
8964 2943 2583 7812 5901 2680 4037 9701 5671 4536  
1392 3867 0312 5809 2654 9360 7649 0751 4158 8247  
6174 2346 5789 9023 4391 4853 1825 0867 0176 2590  
4209 0897 6751 8496 8943 9382 6214 5702 5613 0517

7284 2014 3245 6091 9680 2056 8931 7139 3567 4587  
7539 2034 5704 1268 1468 6912 2780 5713 9560 9384-1  
9627 2987 3245 8021 4316 8106 7465 9531 0348 5790  
5087 2869 6341 7210 0369 7301 1584 2845 3926 7954  
8495 2103 1073 9032 2356 0695 8524 6789 4716 1478  
6321 0879 7698 8909 4957 5306 3148 5427 1256 4210  
1978 3975 5632 3591 4780 0471 6912 0254 6843 8620  
0738 6704 1023 8391 1560 7893 7594 6281 5246 5924  
6401 9647 6903 3125 7820 3964 2587 1478 0285 5131  
7645 3521 9012 8469 4967 3285 7236 8430 9108 1705  
7314 8620 0189 1547 6597 0459 5603 1269 8372 3842  
2081 4085 4596 1567 2346 5681 0473 3928 7910 9327-2  
0739 4125 7690 3467 9126 8491 2581 5027 3845 8036  
5089 2876 8564 1964 3712 2947 5302 3433 0651 2344  
9627 4325 3207 4576 8912 8145 3048 1086 9361 0759  
7431 1092 0967 7014 6273 5382 1239 4085 5896 5864  
2081 5109 2076 7945 9814 5137 5638 8460 2347 9326  
0841 9037 5671 5178 2456 6742 6920 8213 9035 4936  
7631 2987 5760 0126 6940 3189 2439 4058 5213 4785  
7645 3521 0132 9680 5082 4378 7341 1078 8692 6954  
8423 9742 4290 1658 9810 5370 5786 2976 1364 1035  
2081 5108 7938 4912 5783 3524 4690 4615 2769 6073-3  
6417 3012 0923 6289 4658 0123 5764 8057 1593 9784  
(missed the rest)

This 4+4 traffic followed a morse transmission (see M95).

#### **14373 kHz, 29-10, 1405 UTC, 4+4 QPSK 75/1000 LSB**

Just started. Callup missed.

3812 3501 1545 3869 5215 6817 2957 4206 6930 2615  
3062 9144 6390 4830 6396 4701 1939 7943 6582 5407  
7438 1478 1712 4971 0374 7153 0367 9036 7698 2026  
9619 4618 6935 5901 1674 9014 3259 8409 6980 9807  
7864 6837 5490 9791 1766.2352 5033 5835 5165 6709  
8028 0420 9589 6234 1092 0126 5337 7043 6780 0968  
2792

QSL?

HR WK NR 114 /:QSL? QSL? QSL?

SGH3 SGH3 SGH QSL? QSL? QSL? 3 DE M5CU M5CU M5CU

SGH3 SGH3 SGH3 DE M5CU M5CU M5CU

SGH3 SGH3 SGH3 DE M5CU M5CU M5CU

QSL? QSL? QSL

14XY QSL? QSL? QSL?

/6/6/6 QSL? QSL? QS? QSL? QSL?

9 1683 QSL? QSL? QSL?

6089 8504 QSL? QSL? QSL?

97 QSL? QSL? QSL?

87 0898 8434 QSL? QSL? QSL?

67? QSL?

76 QSL? QSL?

0439 8764 QSL? QSL?

824 8273 8129 3952 3661 9691 3109 6332 QSL? QSL? QSL?

10 QSL? QSL? QSL?

19 9301 3886 0269 6852 6774 1070 1758 7032 QSL? QSL? QSL?

1351 QSL? QSL? QSL?

849 QSSL? QSL? QSL?

4 2451 4721 9524 5QSL? QSL? QSL?

124 52 QSL? QSL? QSL?

68 7680 6014 3638 7056 QSL? QSL? QSL?

206 QSL? QSL? QSL?

4 QSL? QSL? QSL? QSL? QSL? QSL? QSL?

NR 443 QSL? QSL? QSL? /

QSL? QSL? QSL? QSL? QSL? QSL?

3812 3501 1545 3869 5215 6817 2957 4206 6930 2615  
3062 9144 6390 4830 6396 4701 1939 7943 6582 5407  
7438 1478 1712 4971 0374 7153 0367 9036 7698 2026  
9619 4618 6935 5901 1674 9014 3259 8409 6980 9807  
7864 6837 5490 9791 1766.2352 5033 5835 5165 6709  
8028 0420 9589 6234 1092 0126 5337 7043 6780 0968  
2792

QSL?

HR WK NR 114 /:QSL? QSL? QSL?

SGH3 SGH3 SGH QSL? QSL? QSL? 3 DE M5CU M5CU M5CU

SGH3 SGH3 SGH3 DE M5CU M5CU M5CU

SGH3 SGH3 SGH3 DE M5CU M5CU M5CU

QSL? QSL? QSL

14XY QSL? QSL? QSL?

/6/6/6 QSL? QSL? QS? QSL? QSL?

9 1683 QSL? QSL? QSL?

6089 8504 QSL? QSL? QSL?

97 QSL? QSL? QSL?

87 0898 8434 QSL? QSL? QSL?

67? QSL?

76 QSL? QSL?

0439 8764 QSL? QSL?

824 8273 8129 3952 3661 9691 3109 6332 QSL? QSL? QSL?

10 QSL? QSL? QSL?

19 9301 3886 0269 6852 6774 1070 1758 7032 QSL? QSL? QSL?

1351 QSL? QSL? QSL?

849 QSSL? QSL? QSL?

4 2451 4721 9524 5QSL? QSL? QSL?

124 52 QSL? QSL? QSL?

68 7680 6014 3638 7056 QSL? QSL? QSL?

206 QSL? QSL? QSL?

4 QSL? QSL? QSL? QSL? QSL? QSL? QSL?

NR 443 QSL? QSL? QSL? /

QSL? QSL? QSL? QSL? QSL? QSL?

3812 3501 1545 3869 5215 6817 2957 4206 6930 2615  
3062 9144 6390 4830 6396 4701 1939 7943 6582 5407  
7438 1478 1712 4971 0374 7153 0367 9036 7698 2026  
9619 4618 6935 5901 1674 9014 3259 8409 6980 9807  
7864 6837 5490 9791 1766.2352 5033 5835 5165 6709  
8028 0420 9589 6234 1092 0126 5337 7043 6780 0968  
2792

QSL?

HR WK NR 114 /:QSL? QSL? QSL?

SGH3 SGH3 SGH QSL? QSL? QSL? 3 DE M5CU M5CU M5CU

SGH3 SGH3 SGH3 DE M5CU M5CU M5CU

SGH3 SGH3 SGH3 DE M5CU M5CU M5CU

QSL? QSL? QSL

14XY QSL? QSL? QSL?

/6/6/6 QSL? QSL? QS? QSL? QSL?

9 1683 QSL? QSL? QSL?

6089 8504 QSL? QSL? QSL?

97 QSL? QSL? QSL?

87 0898 8434 QSL? QSL? QSL?

67? QSL?

76 QSL? QSL?

0439 8764 QSL? QSL?

824 8273 8129 3952 3661 9691 3109 6332 QSL? QSL? QSL?

10 QSL? QSL? QSL?

19 9301 3886 0269 6852 6774 1070 1758 7032 QSL? QSL? QSL?  
1351 QSL? QSL? QSL?  
849 QSSL? QSL? QSL?  
4 2451 4721 9524 5QSL? QSL? QSL?  
124 52 QSL? QSL? QSL?  
68 7680 6014 3638 7056 QSL? QSL? QSL?  
206 QSL? QSL? QSL?  
4 QSL? QSL? QSL? QSL? QSL? QSL? QSL?  
NR 443 QSL? QSL? QSL? /  
QSL? QSL? QSL? QSL? QSL? QSL?

XYXYXYXYXY  
UIN  
XYXYXYXYXY  
78,  
XYXYXYXYXY  
UIN  
XYXYXYXYXY  
78,

## ***X06 variants***

12450 kHz, 07-10, 0950 UTC 661166 (switched to 13450 kHz at 1013z)  
13450 kHz, 07-10, 1013 UTC 661166 (ended at 1028z)  
13450 kHz, 07-10, 1031 UTC 661166 (off after 35s)  
13450 kHz, 07-10, 1032 UTC 661166 (ended at 1041z)  
13450 kHz, 07-10, 1056 UTC 661166 (ended at 1121z)  
12450 kHz, 07-10, 1124 UTC 661166 (ended at 1305z)  
12100 kHz, 28-10, 0740 UTC, i.p. 123456 (ended at 1043z)

## ***XPA1***

### **14564/13564/11464 kHz, 02-10/04-10/09-10/11-10/16-10/18-10, 1210/1230/1250 UTC**

554 554 554 1 554 554 554 1 554 554 554 1  
00615 00081 31517 36301 89639 13294 55931 30682 70643 89561  
63656 16588 91675 14718 36489 30773 61656 84021 01591 41447  
53293 04570 90075 06854 20326 83038 75037 81557 83859 61846  
79491 75811 89804 56039 92845 28465 28584 56683 98811 46483  
84792 64537 16776 43933 97639 42398 91029 01808 18168 71107  
70085 81007 17162 52963 20261 72496 62038 48566 45570 96906  
87134 61856 44576 96181 95392 05344 67989 12099 98025 25087  
10219 46766 49259 58197 70839 60563 02052 29503 52592 92351  
54870 28939 73031 70657

### **14564/13564/11464 kHz, 23-10, 1210/1230/1250 UTC**

554 554 554 000  
08508 00001 00000 37660

### **14564/13564/11464 kHz, 25-10, 1210/1230/1250 UTC**

554 554 554 000  
04421 00001 00000 33656

### **14564/13564/11464 kHz, 30-10, 1210/1230/1250 UTC**

554 554 554 000  
09175 00001 00000 34270

## XPA2

14537/13437/10737 kHz, 1100/1120/1140 UTC

**14537/13437/10737 kHz, 01-10/04-10, 1100/1120/1140 UTC**

08604 00063 80734 84086 75245 47878 46651 39787 90008 50497  
70812 30882 99962 98588 02473 84208 22361 70044 74918 43552  
00584 87904 29544 67110 12551 83841 27949 40048 43216 01715  
26894 83063 33703 59198 27463 04753 37326 46179 53202 93205  
38862 18086 05438 82933 00986 97201 14667 74865 29534 24205  
79740 78016 75318 85986 67700 36273 18127 04886 02319 45862  
63734 08760 98786 65350 04669 16116

**14537/13437/10737 kHz, 08-10, 1100/1120/1140 UTC**

01272 00001 00000 33260

**14537/13437/10737 kHz, 11-10, 1100/1120/1140 UTC**

07773 00001 00000 36266

**14537/13437/10737 kHz, 15-10/18-10/22-10/25-10, 1100/1120/1140 UTC**

00361 00021 30905 89361 52388 51267 57676 76877 31630 49618  
94913 41980 58295 94227 09473 27256 93591 06522 06503 47599  
87987 32223 32057 75300

**14537/13437/10737 kHz, 29-10, 1100/1120/1140 UTC**

09707 00001 00000 40261

13542/12142/11442 kHz, 1600/1620/1640 UTC

**13542/12142/11442 kHz, 01-10, 1600/1620/1640 UTC**

01981 00001 00000 36261

**13542/12142/11442 kHz, 03-10, 1600/1620/1640 UTC**

02103 00001 00000 33252

**13542/12142/11442 kHz, 08-10/10-10, 1600/1620/1640 UTC**

01402 00185 15863 57482 93739 19927 86851 53415 08850 79018  
26150 58662 42024 08348 61497 69949 44880 44926 81422 34365  
27152 20803 55303 84672 78618 31417 96783 33024 67765 15324  
06536 36276 28231 87118 36564 15497 49550 26574 88781 24459  
77021 58287 10648 42150 76692 60437 17098 69849 91298 40617  
12842 98029 50790 05335 96735 13129 50128 45145 26995 41321  
61702 20806 36152 56256 08921 52989 06036 69073 37109 23038  
22504 80470 11324 08850 86030 55760 22203 01615 13040 13348  
00789 59897 13161 14118 63750 08005 76604 48767 36171 86179  
09479 91484 50839 92172 01803 90080 65513 61266 70997 98472  
71981 11890 46730 29220 37892 23960 12411 01903 08543 76806  
09374 36978 65548 25873 64897 59845 80925 61054 02461 06226  
93135 80914 91675 21774 51654 33528 79880 58643 36745 67106  
72369 90979 84079 17951 28834 11109 93710 67619 79882 56513  
13214 33002 79650 22361 99026 36428 98705 75039 24146 89951  
54788 57130 58163 84521 97649 69736 40476 69021 76272 69016  
66428 67951 32538 49106 67632 62233 00897 13775 37381 16027  
51873 99876 75350 04364 57657 24725 37744 03822 84894 82715  
23991 27011 35968 55154 95107 29191 45670 33436

**13542/12142/11442 kHz, 15-10, 1600/1620/1640 UTC**

01488 00001 00000 37261

**13542/12142/11442 kHz, 17-10, 1600/1620/1640 UTC**

07360 00001 00000 32665



**13542/12142/11442 kHz, 22-10/24-10, 1600/1620/1640 UTC**

00487 00150 01723 53810 05346 37015 17430 31577 05762 38825  
35170 68541 13904 50988 22011 02811 30251 80375 66794 88147  
55235 72145 58751 93959 88710 88539 81924 55045 53009 32505  
34295 89588 97672 89745 22775 12735 75457 96952 04569 49458  
22117 73863 07702 18160 12120 60667 08251 76111 26611 87522  
79186 26548 49293 32747 38755 12983 88888 82036 54701 41181  
76130 80890 66547 03837 23388 75992 19258 87402 96198 14889  
48727 82530 17168 28195 16344 87680 35498 13315 31540 10783  
40175 98676 12876 99768 74251 24078 38254 16908 35930 10588  
47842 47082 55408 70174 14590 05435 61459 05041 70107 66284  
23484 20644 74867 87363 60287 84250 42123 46393 82875 63899  
03966 07873 61579 58469 59955 98859 13983 36304 00784 54679  
29379 85755 59561 62570 00250 20182 30671 94441 88831 85882  
40313 83386 22485 48599 10407 21827 01349 00202 63615 36401  
88501 94029 97239 18916 46489 06750 23673 85391 48323 80639  
53734 46291 13154

**13542/12142/11442 kHz, 29-10, 1600/1620/1640 UTC**

08745 00001 00000 37264

**13542/12142/11442 kHz, 31-10, 1600/1620/1640 UTC**

04785 00001 00000 37264

13372/14672/15872 kHz, 0700/0720/0740 UTC
---

**13372/14672/15872 kHz, 02-10, 0700/0720/0740 UTC**

07928 00001 00000 41661

**13372/14672/15872 kHz, 07-10/09-10/14-10/15-10, 0700/0720/0740 UTC**

09151 00098 93917 47473 59698 31648 46279 15442 56979 03654  
85593 78246 70349 77367 07939 83099 94769 15480 68344 88741  
17784 24708 50091 68139 93739 29746 35379 39292 52155 92446  
27012 90686 18873 09921 08605 27119 85060 24035 55042 66858  
04747 45513 28779 43625 25985 07116 67419 72096 61394 91090  
81052 76752 08389 87837 20399 39160 17314 10951 04107 97012  
28519 01681 46422 13856 78026 74964 36881 15130 65716 79548  
92310 86671 80250 23704 71117 22933 02069 18533 80330 71761  
86633 15263 63338 73817 45299 50140 20362 38789 94727 36752  
78292 11510 94197 49143 30729 44844 92036 49701 25728 09334  
26124

**13372/14672/15872 kHz, 21-10, 0700/0720/0740 UTC**

05763 00000 00000 36253

**13372/14672/15872 kHz, 23-10, 0700/0720/0740 UTC**

09690 00001 00000 34272

**13372/14672/15872 kHz, 24-10, 0700/0720/0740 UTC**

06979 00001 00000 42265

**13372/14672/15872 kHz, 28-10/30-10, 0700/0720/0740 UTC**

08800 00128 14848 54960 27774 71028 09348 30700 17356 52651  
85043 16248 12405 72290 64156 97029 73388 22224 46445 69623  
99268 27682 04939 88524 75198 34960 31610 68948 70951 89575  
38436 08099 46520 98237 33248 27553 33089 62036 73126 27187  
22500 51057 97739 15459 72942 71010 10125 29578 09535 73746  
35152 51150 45031 50337 23979 40632 43434 78252 61475 14956  
13128 00707 96656 60887 63342 05513 54156 30370 60330 42411  
26323 33816 06037 45450 64721 83593 40253 85283 05430 59792  
49087 86886 79995 55575 64411 79975 91260 62601 77130 93172  
29545 50052 97542 31329 60811 37437 88047 98557 44849 04845  
48872 74254 20197 62840 80733 50454 66811 98603 25307 65548

17116 86026 61128 65188 30350 75507 68925 39309 59861 92775  
92377 57202 60077 69393 27099 55759 99215 17589 28975 04582  
43741

17471/16149/14406 kHz, 0910/0930/0950 UTC

**17471/16149/14406 kHz, 02-10, 0910/0930/0950 UTC**

00523 00192 01722 57844 25607 52944 32372 19714 48130 53881  
89198 55890 85798 28998 79849 51597 55868 25953 14372 17590  
01185 61242 31184 86282 99243 88109 51461 27269 99246 70595  
64613 85837 67799 26609 11360 30909 29470 86934 21145 52939  
99618 99782 09522 90095 35534 85160 28084 18990 18333 46096  
66888 15444 59459 35506 86558 60196 38270 10949 61024 84617  
00492 19496 67368 49116 73780 87656 63083 77837 35058 68678  
53203 75280 62738 63213 97955 70792 80975 40924 58301 08093  
25432 60861 14072 33848 67177 50569 48231 64985 38028 90806  
79435 62742 22920 97327 63602 03520 14538 09234 56643 57253  
19098 28434 49584 19110 25938 02490 41551 37730 82125 52181  
72883 98071 34399 59418 68588 10001 05777 61260 46679 00545  
78204 32848 88519 50285 70884 65246 68847 14093 97793 66989  
09646 78546 74452 52100 94836 22919 71859 22824 67964 73365  
24233 26914 09037 24244 17423 69787 46918 89108 65379 17764  
75703 24035 48430 33247 12629 48763 07007 47946 43077 24203  
91151 98198 40259 83638 24352 25520 42528 45284 28295 43563  
62415 50443 56053 02036 72755 50497 61821 82673 84158 73976  
28017 64025 32032 51977 68250 97870 46819 92390 47652 08785  
69962 50997 60078 94229 77074

**17471/16149/14406 kHz, 07-10, 0910/0930/0950 UTC**

08322 0001 00000 33662

**17471/16149/14406 kHz, 09-10, 0910/0930/0950 UTC**

09166 00001 00000 34667

**17471/16149/14406 kHz, 14-10/15-10/21-10/23-10, 0910/0930/0950 UTC**

06594 00090 82580 07203 48508 25071 57196 83008 67070 07514  
58023 44124 59356 50094 91237 88458 11420 77804 20052 59716  
94924 67739 41619 67296 52692 82611 23189 46252 95837 54123  
70795 13826 45691 29018 03613 93917 63070 41889 95805 30188  
24452 44391 17766 62467 98249 02166 49765 58805 32832 72671  
33404 55012 63231 03023 11611 28914 18999 61763 22418 65485  
91427 23805 36720 65700 71212 95912 63086 21561 59960 18619  
97417 69517 82438 07916 11343 95015 64740 22228 78697 01087  
54686 89642 11109 51179 70278 19916 61565 04376 92544 96581  
08299 31374 41461

**17471/16149/14406 kHz, 28-10, 0910/0930/0950 UTC**

02231 00000 00000 32256

**17471/16149/14406 kHz, 30-10, 0910/0930/0950 UTC**

00364 0000 00000 36264

14672/13472/12172 kHz, 1100.1120/1140 UTC

**14672/13472/12172 kHz, 02-10/03-10/09-10/10-10, 1100.1120/1140 UTC**

00157 00116 49908 87063 62402 12965 45857 20468 90667 74787  
57769 47197 95930 52542 63646 80020 44538 73394 78361 12408  
24125 96676 14789 92394 57320 74713 56001 69868 61125 80316  
75346 62896 54490 63286 93626 33763 93502 70640 51228 66595  
91097 04187 24173 98846 64172 18495 51167 47069 19660 92401  
42092 33264 52212 53260 77862 09088 47062 02721 45825 60499  
45626 17876 87660 64764 57537 27916 36919 95299 59127 39464  
06938 73465 26945 60732 28114 48148 31916 04771 21937 57283

71013 86219 02390 29252 77544 03213 13436 14658 83800 53263  
30292 93401 02655 53635 46223 57859 43603 56930 74039 08639  
69205 55820 30496 33213 78595 23777 43968 17369 82617 66857  
51669 74746 97942 29588 77728 63243 11613 69629 76652

**14672/13472/12172 kHz, 16-10/17-10, 1100.1120/1140 UTC**

01508 00134 75016 93983 78505 56722 16133 33914 29534 78464  
99200 07216 44452 64271 93113 16002 62369 07278 50074 70507  
85919 73878 82496 96643 24474 38176 26513 10559 61436 90434  
50648 78344 76694 52941 33445 85446 10207 97160 68600 31092  
38607 04655 97890 17471 79690 20359 57215 29679 65275 46907  
35884 30795 21882 45360 97080 15939 54458 86957 67175 55639  
21591 13365 07415 46359 60247 82930 58834 11434 81409 61412  
95973 39790 28886 78936 78391 05084 55962 45775 19544 94952  
57647 95496 45637 64170 10213 28819 06525 34319 95519 69024  
33287 00588 05522 72429 04234 63163 00922 52984 20450 80688  
95281 99612 69390 96256 35040 41988 22763 19520 68778 14407  
74886 87876 81050 81155 34488 64569 28059 75163 02872 41873  
33959 84332 91856 31767 81589 34914 41712 57889 08035 10155  
38833 24119 57214 63022 45395 86957 70117

**14672/13472/12172 kHz, 23-10, 1100.1120/1140 UTC**

08847 00001 00000 40664

**14672/13472/12172 kHz, 24-10, 1100.1120/1140 UTC**

06979 00001 00000 42265

**14672/13472/12172 kHz, 30-10/31-10, 1100.1120/1140 UTC**

05552 00051 60799 90304 80838 46961 31167 18850 01637 26874  
00978 16926 06013 13315 76000 73141 79748 32917 33250 83418  
43302 40915 49248 74924 18599 81610 09500 01470 57839 15498  
78012 25816 53769 67289 21673 35279 89768 22342 28831 16063  
95853 67862 37383 63191 34494 44676 85662 07180 05133 27012  
64428 47140 09980 50421

14518/13418/12218 kHz, 1800/1820/1840 UTC
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**14518/13418/12218 kHz, 02-10/-04-10, 1800/1820/1840 UTC**

04296 00153 75019 43685 76662 11066 79686 90716 51405 43189  
69215 96397 33918 46637 87472 39918 33570 07418 54759 73318  
74091 78442 36351 09460 10378 16976 59720 31433 28287 15890  
99055 31982 00209 05650 21561 60607 42169 56673 12633 77725  
02900 71484 73519 67951 25776 34100 39851 02759 47453 32094  
00085 89206 77102 35866 83740 65054 74613 39167 39834 68679  
27956 83755 45735 00103 29037 82645 87664 54099 38097 01893  
59032 14864 08309 65017 19908 91959 06150 13403 70525 69330  
62237 48038 85834 05721 16373 81854 61811 12149 68705 01306  
77814 54790 01972 55214 14644 20893 62064 43578 37687 86197  
08285 48715 33931 17917 06491 93024 08277 68734 34861 52892  
73785 88393 90655 67997 85135 77981 11573 65776 58082 80325  
83857 36494 67470 13141 64068 71765 03021 80922 04785 14984  
21986 45980 79595 90244 00632 60381 02961 91662 56001 12793  
85746 40582 75111 71948 25102 19284 40101 66925 99042 92044  
81291 29560 15723 50267 11906 14717

**14518/13418/12218 kHz, 09-10, 1800/1820/1840 UTC**

03413 00001 00000 34654

**14518/13418/12218 kHz, 11-10, 1800/1820/1840 UTC**

01275 00001 00000 35260

**14518/13418/12218 kHz, 16-10/18-10, 1800/1820/1840 UTC**

00400 00131 35002 88624 32034 22025 16107 09309 72516 04064  
86428 28856 99158 11562 48654 27860 24779 94801 62695 24663  
16079 75514 77700 62459 60420 47231 61916 02523 66717 26540  
36862 31067 67732 16311 62114 05560 92564 66849 47537 45276  
94607 37465 03110 26431 53572 36247 95266 34416 63192 23773  
21041 35288 85034 77597 57268 64534 99827 00182 96720 73897  
98608 71566 71750 89286 55776 62597 47562 34504 11270 56046  
00834 42268 97155 43346 84928 66513 10180 04018 96493 33932  
49057 09499 57145 60606 74840 04386 64793 53705 52608 07594  
39213 37952 35423 28040 92317 39131 42020 30334 45225 55583  
17230 88767 44750 64445 02509 07249 64273 60867 58994 83653  
03722 05725 19383 81109 22590 87406 47508 37707 99766 83555  
38086 68361 74425 87523 42432 83290 58314 46209 11183 89299  
40391 26222 57696 73036

**14518/13418/12218 kHz, 23-10/25-10, 1800/1820/1840 UTC**

00356 00155 33591 95573 92968 56522 16597 64786 17808 38843  
45178 83560 50336 05612 97791 90911 55146 77544 20705 98679  
79091 53995 11379 79508 81205 35208 94788 76990 88644 29547  
72780 20884 68695 54378 50473 24432 48658 66055 94392 55256  
75509 04305 58806 06780 95579 17788 66558 33727 47761 47435  
25190 05895 02106 66389 27868 08330 40490 68399 64934 33909  
60970 89226 08025 56079 55174 21282 24057 14843 45751 56619  
43921 19205 96171 17776 37761 24906 96903 83798 04398 72472  
70451 39595 19820 96458 10956 98092 63224 25992 18655 27276  
78880 81881 88764 16909 48006 51951 15696 89131 60725 40300  
29390 47535 20914 24412 72057 00961 21034 02634 89174 74874  
55561 25517 64080 24460 61504 72835 96475 23110 37808 60126  
64824 36862 68281 33354 94421 98263 95873 17473 15002 06584  
85718 26945 83952 90910 79703 67816 28412 06545 52031 70047  
64732 33940 76675 18106 82629 16720 10688 49532 22505 82836  
26578 13277 66947 07151 61349 44409 83230 26274

**14518/13418/12218 kHz, 30-10, 1800/1820/1840 UTC**

00666 00231 94453 81397 61264 16219 62367 66399 93083 04611  
99955 20694 94333 71296 79318 33059 10876 76596 33185 43151  
74137 73640 10980 30145 19598 75993 09429 49197 55108 86806  
22666 68835 30093 74538 10367 58077 07260 70549 32187 02720  
66913 49632 11851 16940 42933 57649 81406 39962 65018 43079  
39359 23221 34912 38498 19511 82512 63520 37196 71166 34150  
53694 04227 18407 41729 84337 48204 09182 42665 71523 47622  
98759 00438 56034 26142 28777 94643 59326 07722 13101 43311  
30784 13022 54393 21215 80450 00473 59180 85143 62556 51286  
60190 96748 70356 83443 86719 13542 24587 48299 08294 24689  
73743 37774 31704 95408 16794 61394 16720 91249 59312 81093  
56902 71282 77629 93261 29461 46119 43248 22416 33705 95072  
05296 99129 15710 35915 31627 52834 22896 13770 44001 27789  
71417 23023 94807 59272 17507 27976 42841 15739 53342 94179  
54889 14971 40964 64040 21614 00295 22201 79504 70230 80583  
44231 25391 41814 35984 48293 68227 09756 64927 94255 20568  
08631 42749 67821 39613 07197 08549 63009 94246 79595 18829  
26142 05006 11180 88252 65416 87215 46086 14685 88974 74080  
84222 72957 84388 19527 41639 49894 34131 31561 74380 80172  
91919 93856 01623 15828 81410 46471 30920 57957 11702 93552  
00938 45068 39268 13730 88958 50088 60873 57340 66031 16918  
40520 20403 69869 21717 92181 34121 22329 60146 98822 67837  
65782 01517 31830 82484 62481 40751 52697 13015 29209 08979  
49495 92033 09665 44606

17438/16338/15938 kHz, 0910/0930/0950 UTC

**17438/16338/15938 kHz, 03-10, 0910/0930/0950 UTC**

09604 00001 00000 36261

**17438/16338/15938 kHz, 05-10, 0910/0930/0950 UTC**

06330 00001 00000 32661

**17438/16338/15938 kHz, 09-10/12-10/17-10/19-10, 0910/0930/0950 UTC**

00392 00068 91664 10591 38557 61510 77530 06399 87616 97185  
15816 56345 23874 03119 20275 88300 53856 71182 99110 62552  
00774 96575 74375 05637 95984 46380 61579 60714 64337 40472  
29972 48609 31303 94391 43205 17642 03228 03082 30858 50946  
84730 12318 38036 41688 52214 27341 69149 43480 50348 21969  
29040 72089 42715 86249 02894 67087 61951 07025 02036 71337  
97203 04047 01823 53390 70537 10017 13338 93891 37695 09717  
01661

**17438/16338/15938 kHz, 24-10, 0910/0930/0950 UTC**

06733 00001 00000 36261

**17438/16338/15938 kHz, 25-10, 0910/0930/0950 UTC**

02904 00001 00000 37652

**17438/16338/15938 kHz, 31-10, 0910/0930/0950 UTC**

03141 00176 63642 56265 84396 07787 28928 72687 35263 36290  
80519 69564 79935 38595 79841 78288 12972 55453 62806 41759  
98089 20190 70634 84096 73099 36297 48578 04749 00158 78802  
80746 83558 70439 80568 38727 81394 42978 11782 54928 81993  
87394 90821 38097 56658 85110 09313 12300 58362 81447 86273  
55868 61468 56275 87810 54724 09125 49485 15817 01726 45366  
68016 54741 42266 01013 24643 94023 47534 36617 56523 02157  
91890 71635 19352 02727 41426 76555 22275 98922 28313 23978  
38079 40449 22391 87916 44595 55265 47940 25199 97770 28819  
70206 43989 55347 83255 73348 92205 12321 04753 14668 96361  
75315 97542 05571 98970 24998 14505 40014 94113 79269 18982  
81263 49766 30180 03096 84638 16969 14253 90192 94827 85305  
16602 14787 67952 49902 28695 32107 50967 48314 99699 27805  
99781 16943 22760 26435 54765 71613 55990 58530 83741 14065  
11103 50241 02048 45716 36684 88006 30944 93968 20068 34772  
37606 93341 78074 17611 90271 09970 13053 48999 17276 62920  
30774 59314 25917 70758 03113 24830 32029 07054 86463 23866  
59964 09857 77429 36927 33497 83351 52092 76243 51317

13906/12109/10906 kHz, 1500/1520/1540 UTC

**13906/12109/10906 kHz, 05-10, 1500/1520/1540 UTC**

03664 00001 00000 36261

**13906/12109/10906 kHz, 07-10/12-10, 1500/1520/1540 UTC**

00307 00253 53007 18762 12158 97499 28324 88388 56204 89051  
11447 98001 10710 31642 68731 44861 89197 65181 61881 91545  
63722 85789 49854 23319 17705 54058 64475 46481 73430 77377  
11785 31084 31247 68924 44835 42244 42150 79397 90879 87262  
55307 05759 74321 90529 16805 83080 84659 52889 62568 55229  
03360 29862 08793 87199 09931 21711 03960 45663 93172 71739  
74965 42996 07234 40950 07985 04348 85703 17056 15701 91065  
20726 09831 56642 57769 58464 02581 92964 60499 63002 37548  
28755 68535 33185 37959 99955 21950 90545 63447 74066 29219  
16523 70522 30218 39742 44263 71587 26013 73668 99771 21536  
33672 18944 23144 34813 69874 01452 66828 63917 88769 90757  
72243 26377 94738 91571 64046 32465 47661 42717 74305 57889  
01030 40456 10936 02904 34921 54267 35415 03092 42044 23789

29619 78527 49741 37269 82892 40717 33935 12238 79242 09556  
88806 83447 47279 34313 28826 63918 91043 85506 76413 53114  
84764 36654 02004 73333 12774 41663 91007 09120 47476 22065  
43554 22066 37943 07158 48402 83852 26773 80700 59056 70054  
60857 05532 06444 72143 66330 13885 03610 69064 57376 24905  
29825 21700 08587 92747 92255 11508 25453 14951 66804 08994  
20265 87564 37559 29556 23425 18083 15609 31395 63842 76151  
00116 70315 86420 63928 92391 35641 44261 93146 45996 02710  
44967 25599 95137 56554 32891 45860 98170 16673 57146 52873  
96692 34075 50170 45443 38811 29673 98181 32880 49195 38005  
79446 67200 67238 25466 06224 77283 40487 70653 88913 89262  
14471 15777 73954 09196 87888 29883 25519 34697 57282 99112  
26424 99383 24776 65410 96704 75455

**13906/12109/10906 kHz, 14-10, 1500/1520/1540 UTC**  
05677 00001 00000 36655

**13906/12109/10906 kHz, 19-10, 1500/1520/1540 UTC**  
05099 00001 00000 35666

**13906/12109/10906 kHz, 21-10/26-10, 1500/1520/1540 UTC**  
00728 00270 94905 59768 31239 58615 06117 23246 93582 61432  
93703 47535 30993 29779 97658 50925 08173 66380 25097 21451  
31005 01602 71803 50788 73042 34488 11407 84597 78491 02980  
47665 30408 53892 18420 62025 68547 28807 96143 13208 20042  
07069 37519 78611 95749 78355 45422 73048 20854 24404 34941  
56199 07550 06300 61359 37701 31231 89716 41032 58048 19383  
30814 25532 47537 94940 03813 61189 35305 69041 66092 39329  
35513 36245 42976 01219 85597 60528 12255 55440 24947 82956  
28607 36296 54844 28365 87229 55756 82113 52368 01551 45372  
41103 16063 14105 48738 84450 73016 15941 10867 13112 85522  
84546 75447 63445 28763 64776 94866 52319 29758 75085 50319  
96743 99118 02622 95355 01742 08494 86757 28694 82659 90066  
04103 89245 64873 32154 83579 75893 90805 76263 19804 11136  
23332 11929 63798 62814 59380 91673 60935 25757 31526 63941  
53281 67133 45164 87386 32092 79133 10715 06133 57200 52823  
10499 77940 93031 21926 70565 30728 93887 57912 02793 14085  
41542 10841 66781 85543 80452 64754 72174 58566 94624 18946  
98256 92520 00768 78254 27299 72501 51345 42932 09533 47368  
63948 81757 01153 88218 53764 90143 41017 50263 84946 51296  
44706 53965 73384 45894 34651 08730 32304 79391 64817 28002  
60802 13569 31705 63390 13546 52103 52176 62374 55654 31501  
32628 22596 46242 44344 41954 49812 51140 14152 87059 05522  
19233 15540 88613 24057 11112 79449 63688 83547 84806 77177  
40515 52665 51779 18658 43753 76045 23968 94011 28495 36612  
53593 63941 03362 22097 83229 63527 23677 16219 29304 60023  
42390 44961 85585 94482 06413 97520 71633 72800 75615 86495  
32037 47877 65325 84432 83371 07308 61140 70973 09114 89059  
64528 72306 53530

**13906/12109/10906 kHz, 28-10, 1500/1520/1540 UTC**  
09736 00001 00000 37664

Test schedules
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**13432/12158/13439/14712/15887/16152 kHz, 24-10, 1200/1210/1220/1230/1240/1250 UTC**  
09854 00141 45116 81882 66658 96241 95520 17102 64939 93334  
46653 67616 15849 43402 34724 49961 79395 10115 25987 12053  
71835 26074 61567 35788 10874 19834 77152 98634 48003 82745  
50330 67629 21069 79680 71704 45061 40661 16534 00837 74628  
62716 12406 29361 77716 99636 77390 42803 88515 20526 70975  
87528 44722 58794 61414 43703 78204 20467 09337 71007 46823  
19088 96885 69097 82192 43004 79022 46546 36168 71696 89662

09300 62860 09277 51358 49336 59428 96711 83850 36151 33483  
77030 88635 78107 77027 95216 05608 08835 59654 35977 93499  
24593 31324 45526 54013 55539 65829 43307 47168 34712 20613  
30843 06634 16818 30862 61675 24667 35444 07435 12077 84273  
81491 36616 73185 37523 69791 30451 18777 92069 86974 37395  
70187 86891 00190 78196 65068 77974 17334 55262 95818 83506  
16120 49543 49137 15538 02640 70395 71817 47245 15352 70549  
70162 01399 47576 36600

**11574/12158/13432 kHz, 28-10, 1050/1100/1110 UTC**

05499 00133 00749 59048 63968 59188 39197 37824 54475 27007  
96557 25516 36794 19357 37251 00478 00813 76003 79165 20498  
95256 28387 11305 99526 96868 11220 62962 08414 83888 87323  
68137 50783 50369 57243 79307 47154 40131 95060 55068 82068  
99026 21762 59316 64624 77108 93815 69344 76843 93021 85823  
65002 85010 68665 11873 74706 61315 55036 01222 62179 52747  
96225 30783 53934 67150 58868 45773 75146 79549 40048 90095  
60346 05751 20934 97096 21470 73494 69070 46679 22417 03053  
41874 86117 15391 98064 22321 83125 82117 38495 82536 17992  
92116 38908 32881 02320 85841 68242 67827 92164 05756 31335  
18668 89794 26794 02925 25476 59251 64076 71568 90402 01212  
92244 08357 78804 59125 10873 10108 15391 55868 44829 75741  
63655 36650 97012 22056 97978 21437 72869 18613 11254 53227  
05666 76904 40923 91081 84383 50414

**12158/13439/14712 kHz, 28-10, 1130/1140/1150 UTC**

07753 00137 36213 09954 11132 95505 48741 93385 94176 61371  
20882 02172 15960 18446 23011 75563 40044 14882 30496 63068  
71067 88670 08429 34361 62827 64535 10393 78754 56946 86429  
06361 79031 02721 57560 33204 21547 22585 47906 24509 20874  
48747 80860 07451 93177 47798 29480 47898 69555 32355 91911  
95076 57849 91022 74168 88170 63479 66582 01852 47125 46596  
85112 69986 36438 07747 55009 41849 99450 58399 85240 01464  
52977 92136 90372 09622 14320 90205 81219 15250 86562 33347  
16636 40837 46398 65034 91351 48511 88007 28551 69389 69724  
54964 20733 00780 77911 35761 78759 44422 99703 38168 05948  
30028 89498 84314 30891 38933 02939 67476 81400 59847 97963  
82258 51332 15288 13778 29959 44275 23588 71402 16394 06498  
53841 70898 89008 15516 46499 32243 91356 12460 73859 35560  
45783 81515 77081 80613 03319 27137 56521 15506 26101 74241

**XPB1**

20075 kHz, 01-10/04-10/08-10/11-10/15-10/18-10/22-10/25-10/29-10, 1300 UTC  
19575 kHz, 01-10/04-10/08-10/11-10/15-10/18-10/22-10/25-10/29-10, 1310 UTC  
18175 kHz, 01-10/04-10/08-10/11-10/15-10/18-10/22-10/25-10/29-10, 1320 UTC  
17475 kHz, 01-10/04-10/08-10/11-10/15-10/18-10/22-10/25-10/29-10, 1330 UTC  
16275 kHz, 01-10/04-10/08-10/11-10/15-10/18-10/22-10/25-10/29-10, 1340 UTC  
14975 kHz, 01-10/04-10/08-10/11-10/15-10/18-10/22-10/25-10/29-10, 1350 UTC

16245 kHz, 02-10/05-10/09-10/12-10/16-10/19-10/23-10/26-10/30-10, 1100 UTC  
15825 kHz, 02-10/05-10/09-10/12-10/16-10/19-10/23-10/26-10/30-10, 1110 UTC  
14925 kHz, 02-10/05-10/09-10/12-10/16-10/19-10/23-10/26-10/30-10, 1120 UTC  
13525 kHz, 02-10/05-10/09-10/12-10/16-10/19-10/23-10/26-10/30-10, 1130 UTC  
12125 kHz, 02-10/05-10/09-10/12-10/16-10/19-10/23-10/26-10/30-10, 1140 UTC  
11425 kHz, 02-10/05-10/09-10/12-10/16-10/19-10/23-10/26-10/30-10, 1150 UTC

19544 kHz, 07-10/08-10/14-10/15-10/21-10/22-10/28-10/29-10, 0500 UTC  
19044 kHz, 07-10/08-10/14-10/15-10/21-10/22-10/28-10/29-10, 0510 UTC  
18444 kHz, 07-10/08-10/14-10/15-10/21-10/22-10/28-10/29-10, 0520 UTC  
17444 kHz, 07-10/08-10/14-10/15-10/21-10/22-10/28-10/29-10, 0530 UTC  
16244 kHz, 07-10/08-10/14-10/15-10/21-10/22-10/28-10/29-10, 0540 UTC  
15844 kHz, 07-10/08-10/14-10/15-10/21-10/22-10/28-10/29-10, 0550 UTC

## DIPLOMATIC STATIONS

### Diplomatic stations: Bulgaria

14755 kHz, 21-10, 0821 UTC, RFSM  
 17440 kHz, 21-10, 1222 UTC, RFSM  
 18455 kHz, 21-10, 1258 UTC, RFSM  
 18515 kHz, 23-10, 0721 UTC, RFSM  
 14755 kHz, 23-10, 0826 UTC, RFSM  
 17440 kHz, 23-10, 1223 UTC, RFSM  
 18455 kHz, 23-10, 1258 UTC, RFSM  
 18515 kHz, 24-10, 1027 UTC, RFSM  
 14755 kHz, 24-10, 0823 UTC, RFSM  
 17440 kHz, 24-10, 1221 UTC, RFSM wkg 18035 kHz  
 18035 kHz, 24-10, 1222 UTC, RFSM wkg 17440 kHz  
 18455 kHz, 24-10, 1258 UTC, RFSM  
 18515 kHz, 25-10, 1025 UTC, RFSM  
 14755 kHz, 25-10, 0830 UTC, RFSM  
 17440 kHz, 25-10, 1224 UTC, RFSM  
 18455 kHz, 25-10, 1257 UTC, RFSM  
 18515 kHz, 29-10, 1128 UTC, RFSM  
 14755 kHz, 29-10, 0921 UTC, RFSM  
 17440 kHz, 29-10, 1220 UTC, RFSM  
 18455 kHz, 29-10, 1356 UTC, RFSM

### Diplomatic stations: Egypt

20055 kHz, 14-10, 1320 UTC, Codan 9001	99903: MFA Cairo wkg 66601: Egyptian embassy Washington
20055 kHz, 14-10, 1329 UTC, Codan 9001	99901: MFA Cairo wkg 44405: Egyptian embassy Islamabad
20055 kHz, 14-10, 1413 UTC, Codan 9001	99901: MFA Cairo wkg 44405: Egyptian embassy Islamabad
21855 kHz, 15-10, 1513 UTC, Codan 9001	99903: MFA Cairo broadcast to 74705: unid embassy
20050 kHz, 15-10, 1516 UTC, Codan 9001	99901: MFA Cairo broadcast to 44405: Egyptian embassy Islamabad
21855 kHz, 15-10, 1519 UTC, Codan 9001	99901: MFA Cairo broadcast to 44405: Egyptian embassy Islamabad
20050 kHz, 17-10, 0830 UTC, Codan 9001	99901: MFA Cairo broadcast to 44405: Egyptian embassy Islamabad
21856.7 kHz, 17-10, 1300 UTC, SITOR-A 100/170	MFA Cairo clg RCVB: Egyptian embassy Washington
21855 kHz, 17-10, 1303 UTC, Codan 9001	99903: MFA Cairo broadcast (3h18m) to 66601: Egyptian embassy Washington
20050 kHz, 18-10, 1526 UTC, Codan 9001	99901: MFA Cairo wkg 44406: Egyptian embassy New Delhi
20035 kHz, 21-10, 1605 UTC, Codan 9001	Egyptian diplo
20055 kHz, 21-10, 1613 UTC, Codan 9001	99903: MFA Cairo wkg 66601: Egyptian embassy Washington
20056.7 kHz, 21-10, 1640 UTC, SITOR-A 100/170	MFA Cairo wkg Egyptian embassy Washington. Ended with QKFS +? HUXD KY KY
20055 kHz, 21-10, 1644 UTC, Codan 9001	99903: MFA Cairo wkg 66601: Egyptian embassy Washington
20055 kHz, 24-10, 1034 UTC, Codan 9001	99901: MFA Cairo wkg 44405: Egyptian embassy Islamabad
20050 kHz, 24-10, 1039 UTC, Codan 9001	99901: MFA Cairo wkg 44405: Egyptian embassy Islamabad
20256.7 kHz, 24-10, 1128 UTC, SITOR-A 100/170	MFA Cairo clg OOV: Egyptian embassy Islamabad
20055 kHz, 24-10, 1131 UTC, Codan 9001	99901: MFA Cairo wkg 44405: Egyptian embassy Islamabad
20256.7 kHz, 24-10, 1310 UTC, SITOR-A 100/170	MFA Cairo clg OOV: Egyptian embassy Islamabad
20055 kHz, 24-10, 1310 UTC, Codan 9001	99901: MFA Cairo wkg 44405: Egyptian embassy Islamabad
19667.7 kHz, 27-10, 0702 UTC, SITOR-A 100/170	Egyptian diplo ended with KDPDKJ ODSWJ LFTJH KDDR DWJ JGK KOJKD 3 UKSD+?
19666 kHz, 27-10, 0705 UTC, Codan 9001	Egyptian diplo (too weak to decode)

### Diplomatic stations: North Korea

13200 kHz, 01-10, 0832 UTC  
 16252 kHz, 02-10, 0652 UTC  
 16800 kHz, 02-10, 0652 UTC  
 18200 kHz, 03-10, 0705 UTC  
 18655 kHz, 03-10, 0705 UTC  
 19100 kHz, 03-10, 0705 UTC  
 16250 kHz, 03-10, 1247 UTC



16252 kHz, 03-10, 0800 UTC  
 17710 kHz, 03-10, 1405 UTC  
 18666 kHz, 03-10, 1405 UTC  
 16252 kHz, 04-10, 1234 UTC  
 18650 kHz, 04-10, 1234 UTC  
 14650 kHz, 04-10, 1234 UTC  
 16100 kHz, 07-10, 1207 UTC  
 16252 kHz, 09-10, 1313 UTC  
 19120 kHz, 16-10, 1405 UTC  
 14650 kHz, 22-10, 1230 UTC  
 16252 kHz, 22-10, 1230 UTC  
 16200 kHz, 22-10, 1240 UTC  
 16252 kHz, 24-10, 1232 UTC  
 18650 kHz, 24-10, 1233 UTC  
 16252 kHz, 24-10, 1258 UTC  
 16230 kHz, 24-10, 1300 UTC wkg 18230 kHz  
 18320 kHz, 24-10, 1300 UTC wkg 16230 kHz  
 11045 kHz, 28-10, 1206 UTC, wkg 12202 kHz  
 12202 kHz, 28-10, 1206 UTC, wkg 11045 kHz  
 14300 kHz, 28-10, 1206 UTC, wkg 14800 kHz  
 14800 kHz, 28-10, 1206 UTC, wkg 14300 kHz  
 18960 kHz, 28-10, 1335 UTC, wkg 14400 kHz  
 14400 kHz, 28-10, 1335 UTC, wkg 18960 kHz  
 19120 kHz, 28-10, 1411 UTC, wkg 20100 kHz  
 20100 kHz, 28-10, 1411 UTC, wkg 19120 kHz  
 18650 kHz, 29-10, 0715 UTC  
 14800 kHz, 29-10, 1238 UTC  
 16450 kHz, 29-10, 1238 UTC  
 16252 kHz, 29-10, 1238 UTC  
 18650 kHz, 29-10, 1238 UTC

## ***Diplomatic stations: Russia***

13424 kHz, 01-10, 0837 UTC, MFSK-66	Russian diplo
13401 kHz, 01-10, 0838 UTC, MFSK-6	MFA Moscow clg 154263: Russian embassy Rome
11550 kHz, 01-10, 0848 UTC, MFSK-66	Russian diplo
11552 kHz, 01-10, 0850 UTC, MFSK-66	Russian diplo
20374 kHz, 02-10, 1239 UTC, MFSK-6	MFA Moscow clg 231654: Russian embassy Abuja
19245 kHz, 02-10, 0825 UTC, OFDM-121	Russian Diplo
14474 kHz, 03-10, 0729 UTC, Serdolik v2	Russian diplo. Selcal
14474 kHz, 03-10, 0731 UTC, Serdolik v2	Russian diplo. Selcal
18585 kHz, 03-10, 0734 UTC, Serdolik v2	Russian diplo
14474 kHz, 03-10, 0741 UTC, Serdolik v2	Russian diplo. Selcal
18585 kHz, 03-10, 0744 UTC, Serdolik v2	Russian diplo
17519 kHz, 03-10, 0751 UTC, Serdolik v2	Russian diplo
18197 kHz, 03-10, 0920 UTC, MFSK-6	MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City
19405 kHz, 03-10, 1312 UTC, MFSK-6	MFA Moscow clg 352416: Russian embassy Dar el Salaam
16313 kHz, 03-10, 1315 UTC, Serdolik v2	Russian diplo
14570 kHz, 04-10, 0830 UTC, MFSK-66	Russian diplo
16216 kHz, 04-10, 0900 UTC, MFSK-66	Russian diplo
19478.5 kHz, 04-10, 1020 UTC, Serdolik v2	Russian diplo
19274 kHz, 04-10, 0750 UTC, OFDM-121	Russian Diplo
14377 kHz, 07-10, 0737 UTC, MFSK-6	MFA Moscow clg 432516: Russian embassy Bern
12148 kHz, 07-10, 0746 UTC, MFSK-66	Russian diplo
11072 kHz, 07-10, 0746 UTC, Serdolik v2	Russian diplo. Selcal
10767 kHz, 08-10, 0757 UTC, MFSK-6	MFA Moscow clg 534216: Russian embassy Baghdad
11072 kHz, 08-10, 0803 UTC, Serdolik v2	Russian diplo
11483 kHz, 09-10, 0727 UTC, MFSK-6	MFA Moscow clg 412356: Russian embassy Budapest
11154 kHz, 09-10, 0758 UTC, Serdolik v2	Russian diplo
11153 kHz, 09-10, 0814 UTC, MFSK-6	MFA Moscow clg 465132: Russian embassy Sofia
16062 kHz, 10-10, 0810 UTC, Serdolik v2	Russian diplo
12177 kHz, 11-10, 0838 UTC, MFSK-66	Russian diplo

12177 kHz, 11-10, 0847 UTC, MFSK-6	MFA Moscow clg 356412: Russian embassy Berlin
16060 kHz, 13-10, 0823 UTC, MFSK-6	MFA Moscow clg 261453: Russian embassy Cairo
17468 kHz, 14-10, 0806 UTC, Serdolik v2	Russian diplo
17466 kHz, 14-10, 0807 UTC, Serdolik v2	Russian diplo
17475 kHz, 14-10, 0815 UTC, MFSK-6	MFA Moscow clg 156234: Russian embassy Kampala
17466 kHz, 14-10, 0820 UTC, Serdolik v2	Russian diplo
19274 kHz, 14-10, 0930 UTC, Serdolik v2	Russian Diplo
14442 kHz, 16-10, 1101 UTC, Serdolik v2	Russian diplo
16115 kHz, 16-10, 1114 UTC, MFSK-6	MFA Moscow clg 215346: Russian Consulate General Mumbai
17506 kHz, 16-10, 1234 UTC, MFSK-6	MFA Moscow clg 231654: Russian embassy Abuja
19305 kHz, 16-10, 1300 UTC, OFDM-112	Russian Diplo
17519 kHz, 17-10, 0744 UTC, Serdolik v2	Russian diplo
17534 kHz, 17-10, 0750 UTC, MFSK-6	MFA Moscow clg 351264: Russian embassy Abu Dhabi
19511 kHz, 17-10, 1215 UTC, MFSK-6	MFA Moscow clg 314265: Russian embassy Antananarivo
13954 kHz, 18-10, 0826 UTC, MFSK-6	MFA Moscow clg 213546: Russian embassy Islamabad
18324 kHz, 18-10, 1014 UTC, Serdolik v2	Russian diplo. Selcal
18324 kHz, 18-10, 1017 UTC, Serdolik v2	Russian diplo. Selcal
18324 kHz, 18-10, 1020 UTC, Serdolik v2	Russian diplo. Selcal
13452 kHz, 21-10, 0644 UTC, MFSK-6	MFA Moscow clg 165324: Russian embassy Vienna
13451 kHz, 21-10, 0651 UTC, MFSK-66	Russian diplo
14930 kHz, 21-10, 0737 UTC, MFSK-66	Russian diplo
12152 kHz, 21-10, 0744 UTC, MFSK-6	MFA Moscow clg 432516: Russian embassy Bern
13420 kHz, 22-10, 0752 UTC, Serdolik v2	Russian diplo
17523 kHz, 22-10, 0801 UTC, MFSK-6	MFA Moscow clg 542136: Russian embassy Beijing
11545 kHz, 22-10, 0811 UTC, MFSK-6	MFA Moscow clg 534216: Russian embassy Baghdad
17470 kHz, 22-10, 1011 UTC, MFSK-6	MFA Moscow clg 216354: Russian Consulate General Chennai
11483 kHz, 23-10, 0742 UTC, MFSK-6	MFA Moscow clg 412356: Russian embassy Budapest
11153 kHz, 23-10, 0824 UTC, MFSK-6	MFA Moscow clg 465132: Russian embassy Sofia
11153 kHz, 23-10, 0823 UTC, Serdolik v2	Russian diplo
19036 kHz, 24-10, 1555 UTC, OFDM-121	Russian Diplo
19030 kHz, 24-10, 1550 UTC, OFDM-121	Russian Diplo
9357 kHz, 25-10, 0820 UTC, MFSK-66	Russian diplo
14688 kHz, 28-10, 0924 UTC, Serdolik v2	Russian diplo. Test
14686 kHz, 28-10, 0924 UTC, Serdolik v2	Russian diplo
14686 kHz, 28-10, 0944 UTC, Serdolik v2	Russian diplo
16117 kHz, 28-10, 0933 UTC, MFSK-6	MFA Moscow clg 463125: Russian embassy Rabat

## ***Diplomatic stations: Tunisia***

19085 kHz, 14-10, 1040 UTC, Pactor-II	STAT154: MFA Tunis
19385 kHz, 14-10, 1017 UTC Mil-STD-188-141A	STAT154: MFA Tunis
19255 kHz, 17-10, 1028 UTC, Mil-STD-188-141A	STAT154: MFA Tunis

## ***CLANDESTINE / TARGETED RADIO & JAMMERS***

### **Russian-Ukrainian radio war**

6911 kHz, 02-10, 1650 UTC, USB	Russian patriotic songs
6911 kHz, 02-10, 1730 UTC, USB	Stalingrad clock
7050 kHz, 09-10, 1546 UTC, LSB	Slava Ukraini! and anti Russia messages
7060 kHz, 09-10, 1549 UTC, LSB	Radio war
7055 kHz, 09-10, 1620 UTC, LSB	Slava Ukraini! and anti Russia messages
7072 kHz, 09-10, 1650 UTC, LSB	Music and propaganda
8514 kHz, 09-10, 1807 UTC, USB	Russian anthem loop transmission (also on 6828 kHz)
7050 kHz, 10-10, 0520 UTC, LSB	Music and anti Russia messages
7055 kHz, 10-10, 0522 UTC, LSB	Anti Putin and anti Russia messages
7060 kHz, 10-10, 0524 UTC, LSB	Anti Putin and anti Russia messages
7055 kHz, 14-10, 1540 UTC, LSB	Ukrainian pop music
7065 kHz, 14-10, 1605 UTC, LSB	Ranting and insulting Putin
7060 kHz, 14-10, 1609 UTC, LSB	Music
7055 kHz, 15-10, 1624 UTC, LSB	Ranting and insulting Putin and Russians
7050 kHz, 15-10, 1645 UTC, LSB	Music
7055 kHz, 25-10, 0539 UTC, LSB	Loop transmission

## UTILITY ROUND-UP

**“New buzzer”. The station uses various waveforms.**

See also <https://voca.ro/18oRD83xCPhb>

5782.0 kHz, 02-10, 1806 UTC  
6930.0 kHz, 02-10, 1806 UTC  
5782.0 kHz, 03-10, 1730 UTC  
6930.0 kHz, 03-10, 1730 UTC  
7393.5 kHz, 03-10, 1730 UTC  
8153.5 kHz, 03-10, 1730 UTC  
5782.0 kHz, 04-10, 1609 UTC  
6930.0 kHz, 04-10, 1609 UTC  
7393.5 kHz, 06-10, 1930 UTC  
8153.5 kHz, 06-10, 1930 UTC

8110 kHz, 11-10, 0708 UTC

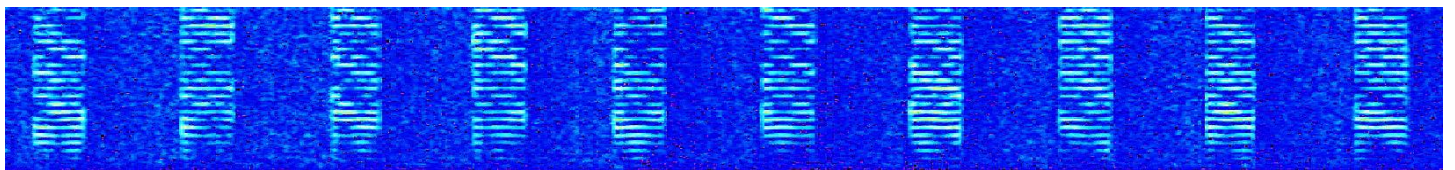
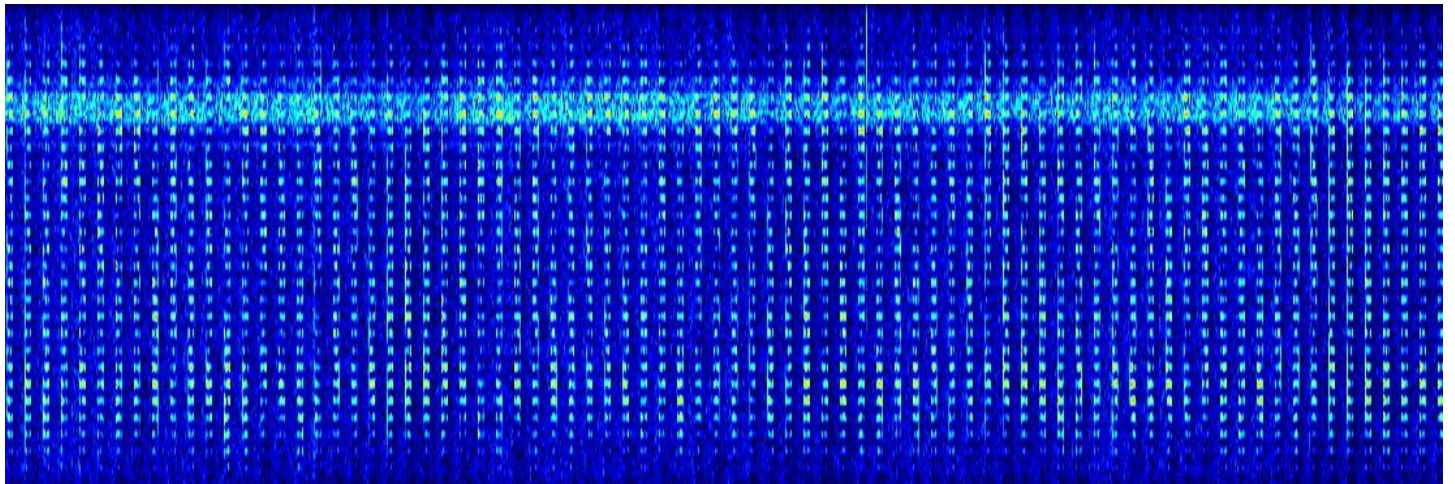


6365 kHz, 11-10, 1545 UTC

8365 kHz, 11-10, 1545 UTC



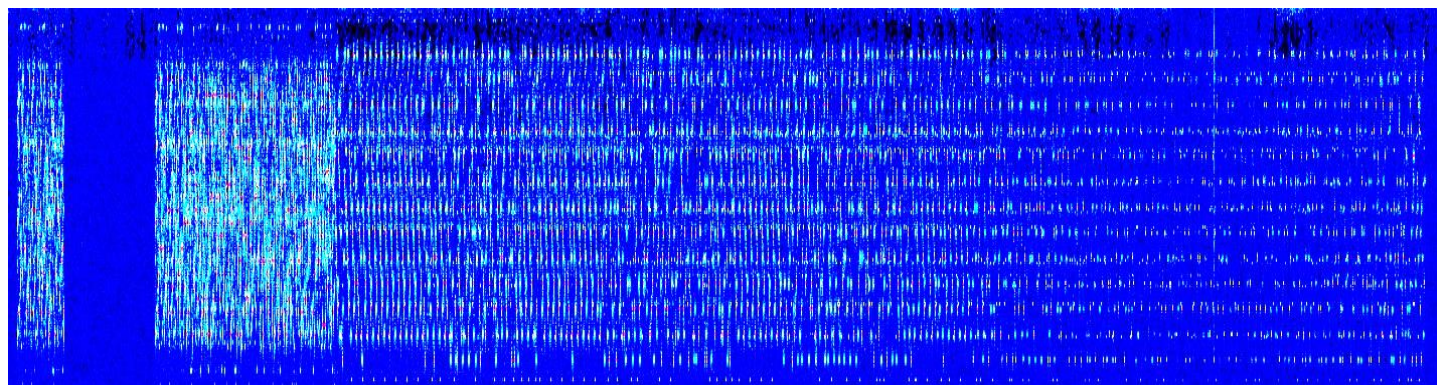
5782 kHz, 18-10, 2049 UTC  
5950 kHz, 18-10, 2049 UTC  
6930 kHz, 18-10, 2049 UTC  
5782 kHz, 20-10, 2038 UTC  
5950 kHz, 20-10, 2038 UTC  
6930 kHz, 20-10, 2038 UTC  
5782 kHz, 21-10, 1608 UTC  
5950 kHz, 21-10, 1608 UTC  
6930 kHz, 21-10, 1608 UTC  
5782 kHz, 22-10, 2007 UTC  
5950 kHz, 22-10, 2007 UTC  
6930 kHz, 22-10, 2007 UTC  
5782 kHz, 23-10, 1726 UTC  
5950 kHz, 23-10, 1726 UTC  
6930 kHz, 23-10, 1726 UTC





## MFSK-13/21

16214 kHz, 03-10, 0813 UTC, MFSK-13/MFSK-21  
19352 kHz, 16-10, 0833 UTC, MFSK-13/MFSK-21  
18654 kHz, 17-10, 0759 UTC, MFSK-21/MFSK-13  
18647 kHz, 24-10, 1234 UTC, MFSK-21/MFSK-13  
17423 kHz, 24-10, 1238 UTC, MFSK-21/MFSK-13  
16127 kHz, 24-10, 1244 UTC, MFSK-21/MFSK-13  
19457 kHz, 24-10, 1230 UTC, MFSK-21/MFSK-13



MFSK-21 into MFSK-13

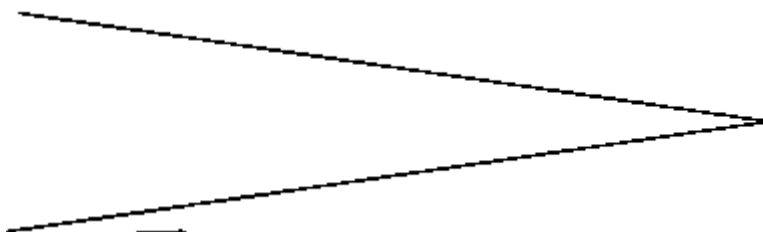
## Fake numbers station. Long transmission.

9387 kHz, 22-10, 0929 UTC. 420Hz test tone  
9387 kHz, 22-10, 0931-1218 UTC.



4-figure groups read by a synthesized female voice in Russian preceded by a recorded announcement.  
The transmission ended with two tone sweeps (picture below) and Pactor-II bursts.

The signal was pretty conclusively and accurately determined using Tdoa to originate from Belgium, between Lille and Brussels.  
Tdoa by PY.



The announcement was taken from the song "I've got the Power" by Snap!

*Американская фирма Transceptor Technology приступила к производству компьютеров «Персональный спутник».*  
*The American company Transceptor Technology has begun production of the Personal Satellite computer.*

See [https://www.youtube.com/watch?v=nm6DO\\_7px1I](https://www.youtube.com/watch?v=nm6DO_7px1I)

## A few messages:

### 1149z announcement

2279 9446 0656 4497 8388 7397 2695 6335 1268 7358  
8737 0476 7244 4874 5364 1686

### 1152z announcement

7675 7549 6339 4389 0294 8999 8975 1935 9676 7797  
9658 1346 5739 4437 1445 9968 5539 9979 2278 8375  
3948 1458 9267

### 1156z announcement

8589 4234 4385 0588 1867 9665 2535 3494 5335 3758  
3337 8646 8347 3938 0574 6434 4548 6249 3276 2545

6458 1764 9295 5595 8857 8899 4685 6259 1256 0475  
8856 6479 6985 9654 8664 8585 8654 8977 2589 2435  
5734 4376 6554 9358 9838 6446 1284 0884 5477 5975  
7457 7797 3674 4395 3979 7698 1755 9845 0797 7888  
3786 4696 7498 4487 2559 8564 4455 8775 3379 5554  
2596 7557 6678

etc.

#### MFSK-11

14358 24-10-2024 1143 --- MFSK-11 (AB) Unid station

## RUSSIAN MILITARY TRANSCRIPTS

Excerpts from logs submitted by AB and F5JBR

### Morse transmissions

Russian Military morse traffic

#### 4521 kHz, 09-10, 1814 UTC

O9 KLEN 0830 3202 GLAVKA 0084 1326 K

#### 4521 kHz, 09-10, 1830 UTC

XXX XXX A8CA A8CA 13576 TUTOLAG 3039 9266 WEKShA 0481 5251 BOGOBAZ 2446 6003 LUGOPUTX 6941 5330 K

#### 13174 KkHz, 10-10, 0921 UTC. Errors in group 167.

OGN3 DE W29B QTC ZFR K

W29B 220 34 10 1218 220 =

ZFR 222 =

76937 47805 29551 80777 06136 34592 52611 28269 20326 49448

93011 22249 61096 71096 76501 4 652140 0 9737603 04142 66693 14750

97051 02297 58635 66487 70929 66368 46118 59123 73239 20741

10030 276 K

RPT K

W29B QSV K

BK QSV K

QSV K

BK QRV K

BK RPT PBL K

BK BK RPT PBL K

BK RPT ADS K

#### 13174 kHz, 10-10, 1132 UTC

E6J8 E6J8 E6J8 QTC ZSO AR

E6J8 E6J8 E6J8 QTC ZSO AR

E6J8 E6J8 E6J8 QTC ZSO AR

E6J8 E6J8 E6J8 104 34 10 1429 104 =

ZSO 222 =

IEQOB HLXOZ OYaQRH FKShYF KLQZP AShePA LYNOU ChYuMChR YaDXTV YuYaNF ... K

#### 13174 kHz, 10-10, 1137 UTC

OGNR DE W29B R104? K

OGNR DE W29B R104? K

OGNR DE W29B K

QTC ZZI K

W29B 980 34 10 1432 980 =

ZZI 222 =

91722 28129 17710 12407 58970 16353 96787 53351 69223 53120

73226 65877 30310 47905 84560 46481 73279 58222 71276 64310  
74276 21016 72795 69670 87472 10756 75816 25043 05195 13563  
10030 276 K

**13174 kHz, 10-10, 1142 UTC**

ONY3 DE W29B K

QTC ZLN K

W29B 671 34 10 1437 671 K

ZLN 222 =

71115 33129 71228 83997 01271 84721 66819 14331 84983 87815

89079 57643 94287 97446 67898 69807 97081 44351 75807 70136

56566 27945 42386 62553 62716 02013 08280 51739 91141 66948

10030 276 K

**13174 kHz, 10-10, 1335 UTC**

ONYV DE W29B QTC ZYF K

W29B 171 34 10 1631 171 =

ZYF 222 =

29775 77841 05116 33409 04118 88703 71164 68415 58356 83299

28894 40084 76224 40270 56826 34048 50706 18654 26936 64433

66172 64585 60848 01928 72799 09548 98370 18161 79789 57964

10030 276 K

17454 kHz, 23-10, 1025 UTC

13911 kHz, 23-10, 1044 UTC

13404 kHz, 23-10, 1433 UTC

5569 kHz, 23-10, 1512 UTC

5891 kHz, 23-10, 1530 UTC

3872 kHz, 23-10, 1532 UTC

6008 kHz, 23-10, 1542 UTC

7859 kHz, 23-10, 1548 UTC

8668 kHz, 23-10, 1549 UTC

7542 kHz, 23-10, 1608 UTC

7408 kHz, 26-10, 0904 UTC

4140.5 kHz, 26-10, 1415 UTC

6843 kHz, 26-10, 1418 UTC

4863 kHz, 26-10, 1431 UTC

5304 kHz, 27-10, 1018 UTC

MXLK wkg 6 outstations. QSX 16348 kHz

P29O wkg 1 outstation

BQZX wkg 7 outstations

AW4X wkg 3 outstations

NUYQ wkg 3 outstation

TSKC wkg 5 outstation. QSX 3360 kHz

IWG5 wkg 4 outstations

Y8A2 wkg 7 outstations. QSX 6968 kHz

F2BE wkg 1 outstation

IOC5 wkg 4 outstations. QSX 7706 kHz

ADTJ wkg 5 outstations

S4FW wkg 4 outstations

CTIK wkg 5 outstations

ZFTI wkg outstations

VHMG wkg 7 outstations

**13911 kHz, 26-10, 1544 UTC**

WBIO DE SLHZ K

WBIO DE SLHZ K

WBIO DE SLHZ K

ZAB ZJF K

WBIO DE SLHZ RPT K

WBIO DE SLHZ ZTZ ZIK K

SLHZ QTC K

Russian Navy morse traffic
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8345 kHz, 09-10, 1832 UTC

8345 kHz, 09-10, 1838 UTC

8345 kHz, 09-10, 1851 UTC

8345 kHz, 09-10, 1855 UTC

6113 kHz, 23-10, 1510 UTC

4433 kHz, 23-10, 1539 UTC

5864.5 kHz, 26-10, 0818 UTC

8417 kHz, 26-10, 0818 UTC

6229.5 kHz, 26-10, 0823 UTC

6362 kHz, 25-10, 0832 UTC

6362 kHz, 26-10, 0834 UTC

4489.5 kHz, 26-10, 0843 UTC

4489.5 kHz, 26-10, 0848 UTC

RIW DE RCRQ QSA ? K (Russian Navy ship Yauza clg RIW: Moscow)

RIW DE RCRQ QSA ? K

RIW DE RCRQ QSA ? K

VVV RIT DE RCRQ QSA ? K (Yauza clg RIT: Severomorsk)

RJD99 wkg RCY6 (QTC 924 62 23 1546 924 = PROGNOZ

RIT: Navy Severomorsk wkg RLO (RLO de RIT QTC SML =PROGNOZ POGODY

RMP: Navy Kaliningrad. RMP wkg REO

RMP: Navy Kaliningrad. RMP wkg REO

RJD99 wkg RMBN

RMP wkg RCB (QSX 7624.5 QWH 7219)

RMP Kaliningrad. QSXon 7624.5 kHz

RMTM wkg RJD99 (445 3 26 1142 445 = 02024 01834 26002 = AR RMTM K) QSX 6229.5 kHz

UCXA7 wkg RJD99 (351 4 26 1150 351 = FOR RJD99 = 02024 01834 26002 = AR UCXA7 K)

4489.5 kHz, 26-10, 0855 UTC	QXX on 6229.5 IJz
4489.5 kHz, 26-10, 0859 UTC	UCXA7 wkg RJD99 (153 3 26 1152 153 = 02024 10834 26002 = AR RMDN K ) QXX 6229.5 kHz
3952 kHz, 26-10, 1433 UTC	RMKX wkg RJD99. QXX on 6229.5 kHz
5864.5 kHz, 26-10, 1433 UTC	REO de RMP QTC SML ...
6007.6 kHz, 26-10, 0915 UTC	REO de RMP QTC SML ...
6458 kHz, 27-10, 1002 UTC	RJD56 wkg RCP
7602 kHz, 27-10, 1002 UTC	RLO DE RIT QTC SML ...
10543 kHz, 27-10, 1107 UTC	RLO DE RIT QTC SML ...
15586 kHz, 27-10, 1107 UTC	RCY6 de RCV QTC 984 198 27 1235 984 = prog goz pogody s 18800 27 do 1800 28 ...
17615 kHz, 27-10, 1107 UTC	RCY6 de RCV QTC 984 198 27 1235 984 = prog goz pogody s 18800 27 do 1800 28 ...

#### Russian Naval Air Transport morse traffic

13975 kHz, 23-10, 1058 UTC RAL2 wkg 4 outstations RFH2, RDU2, RHW2, RBL71

10263 kHz, 23-10, 1459 UTC RAL2 wkg RBI2, RGH2, RHQ2, RBL66, RBL673

#### Russian Air Force morse traffic

4521 kHz, 09-10, 1840 UTC REA4 REA4 = 09170 99900 08152 2222 90497 71402 10001 21014 70122 87500 912 = REA4 K

7746 kHz, 27-10, 0940 UTC REA4 i.p.

4521 kHz, 29-10, 1526 UTC XXX A2CA 66064 OTWAL 7326 5671 KNUT 3801 2305 MUDREC 6842 1403 POLI TOLOG 1943 9370 K

## Digital transmissions

#### Russian tactical datalink. Mode: Akkord 1200Bd/800Hz

5275 kHz, 01-10, 1640 UTC  
 5275 kHz, 02-10, 1733 UTC  
 5275 kHz, 03-10, 1738 UTC  
 5275 kHz, 04-10, 1610 UTC  
 5275 kHz, 06-10, 1934 UTC  
 5275 kHz, 08-10, 1559 UTC  
 5275 kHz, 09-10, 1600 UTC  
 5275 kHz, 11-10, 1556 UTC

## LOGS SECTION

Code	Date	UTC	Freq	Day	Details	Mode	Contributor
---	1-10	1640	5275	Tue	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	2-10	1650	6911	Wed	Russian patriotic songs	USB	(AB)
---	2-10	1730	6911	Wed	Stalingrad clock	USB	(AB)
---	2-10	1733	5275	Wed	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	2-10	1806	5782	Wed	New Buzzer	USB	(AB)
---	2-10	1806	6930	Wed	New Buzzer	USB	(AB)
---	3-10	0813	16214	Thu	Russian station	MFSK-13/MFSK-21	(AB)
---	3-10	1730	5782	Thu	New Buzzer	USB	(AB)
---	3-10	1730	6930	Thu	New Buzzer	USB	(AB)
---	3-10	1730	7393.5	Thu	New Buzzer	USB	(AB)
---	3-10	1730	8153.5	Thu	New Buzzer	USB	(AB)
---	3-10	1738	5275	Thu	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	4-10	1609	5782	Fri	New Buzzer	USB	(AB)
---	4-10	1609	6930	Fri	New Buzzer	USB	(AB)
---	4-10	1610	5275	Fri	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	4-10	1913	6417	Fri	Japanese Navy a.k.a. Slot machine	Akkord 1200Bd/800Hz	(AB)
---	6-10	1930	7393.5	Sun	New Buzzer	USB	(AB)
---	6-10	1930	8153.5	Sun	New Buzzer	USB	(AB)
---	6-10	1934	5275	Sun	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	6-10	1934	6417	Sun	Japanese Navy a.k.a. Slot machine	Akkord 1200Bd/800Hz	(AB)
---	8-10	1559	5275	Tue	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	9-10	1546	7050	Wed	Radio war. Slava Ukraini! and anti Russia messages	LSB	(AB)
---	9-10	1549	7060	Wed	Radio war	LSB	(AB)
---	9-10	1600	5275	Wed	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	9-10	1620	7055	Wed	Radio war. Slava Ukraini! and anti Russia messages	LSB	(AB)
---	9-10	1650	7072	Wed	Radio war. Music and propaganda	LSB	(AB)
---	9-10	1807	6828	Wed	Russian anthem loop transmission	USB	(AB)
---	9-10	1807	8514	Wed	Russian anthem loop transmission	USB	(AB)
---	10-10	0520	7050	Thu	Music and anti Russia messages	LSB	(AB)
---	10-10	0522	7055	Thu	Anti Putin and anti Russia messages	LSB	(AB)
---	10-10	0524	7060	Thu	Anti Putin and anti Russia messages	LSB	(AB)
---	11-10	0708	8110	Fri	New Buzzer	USB	(AB)
---	11-10	1545	6365	Fri	New Buzzer	USB	(AB)
---	11-10	1545	8365	Fri	New Buzzer	USB	(AB)
---	11-10	1556	5275	Fri	Russian tactical datalink	Akkord 1200Bd/800Hz	(AB)
---	14-10	1540	7055	Mon	Ukrainian pop music	LSB	(AB)
---	14-10	1605	7065	Mon	Ranting and insulting Putin	LSB	(AB)
---	14-10	1609	7060	Mon	Radio war. Music	LSB	(AB)



---	15-10	1624	7055	Tue	Ranting and insulting Putin and Russians	LSB	(AB)
---	15-10	1645	7050	Tue	Music	LSB	(AB)
---	16-10	0833	19352	Wed	Russian net	MFSK-13/MFSK-21	(RL)
---	17-10	0759	18654	Thu	Russian net	MFSK-21/MKSK-13	(AB)
---	18-10	2049	5782	Fri	New Buzzer	USB	(AB)
---	18-10	2049	5950	Fri	New Buzzer	USB	(AB)
---	18-10	2049	6930	Fri	New Buzzer	USB	(AB)
---	20-10	2038	5782	Sun	New Buzzer	USB	(AB)
---	20-10	2038	5950	Sun	New Buzzer	USB	(AB)
---	20-10	2038	6930	Sun	New Buzzer	USB	(AB)
---	21-10	1608	5782	Mon	New Buzzer	USB	(AB)
---	21-10	1608	5950	Mon	New Buzzer	USB	(AB)
---	21-10	1608	6930	Mon	New Buzzer	USB	(AB)
---	22-10	0931	9387	Tue	4-figure groups read by a synthesized female voice in Russian preceded by a recorded announcement. The transmission ended at 1218z with two tone sweeps and Pactor-II bursts	USB	(AB)
---	22-10	2007	5782	Tue	New Buzzer	USB	(AB)
---	22-10	2007	5950	Tue	New Buzzer	USB	(AB)
---	22-10	2007	6930	Tue	New Buzzer	USB	(AB)
---	23-10	1726	5782	Wed	New Buzzer	USB	(AB)
---	23-10	1726	5950	Wed	New Buzzer	USB	(AB)
---	23-10	1726	6930	Wed	New Buzzer	USB	(AB)
---	24-10	1143	14358	Thu	Unid station	MFSK-11	(AB)
---	24-10	1230	19457	Thu	Russian net	MFSK-21/MFSK-13	(RL)
---	24-10	1234	18647	Thu	Russian station	MFSK-21/MFSK-13	(AB)
---	24-10	1238	17423	Thu	Russian station	MFSK-21/MFSK-13	(AB)
---	24-10	1244	16127	Thu	Russian station	MFSK-21/MFSK-13	(AB)
---	25-10	0539	7055	Fri	Loop transmission	LSB	(AB)
<b>BUL</b>	21-10	0821	14755	Mon	Bulgarian diplo	RFSM	(AB)
<b>BUL</b>	21-10	1222	17440	Mon	Bulgarian diplo	RFSM	(AB)
<b>BUL</b>	21-10	1258	18455	Mon	Bulgarian diplo	RFSM	(AB)
<b>BUL</b>	23-10	0721	18515	Wed	Bulgarian diplo	RFSM	(AB)
<b>BUL</b>	23-10	0826	14755	Wed	Bulgarian diplo	RFSM	(AB)
<b>BUL</b>	23-10	1223	17440	Wed	Bulgarian diplo	RFSM	(AB)
<b>BUL</b>	23-10	1258	18455	Wed	Bulgarian diplo	RFSM	(AB)
<b>BUL</b>	24-10	0823	14755	Thu	Bulgarian diplo	RFSM	(AB)
<b>BUL</b>	24-10	1027	18515	Thu	Bulgarian diplo	RFSM	(AB)
<b>BUL</b>	24-10	1221	17440	Thu	Bulgarian diplo	RFSM	(AB)
<b>BUL</b>	24-10	1222	18035	Thu	Bulgarian diplo	RFSM	(AB)
<b>BUL</b>	24-10	1258	18455	Thu	Bulgarian diplo	RFSM	(AB)
<b>BUL</b>	25-10	0830	14755	Fri	Bulgarian diplo	RFSM	(AB)
<b>BUL</b>	25-10	1025	18515	Fri	Bulgarian diplo	RFSM	(AB)
<b>BUL</b>	25-10	1224	17440	Fri	Bulgarian diplo	RFSM	(AB)

BUL	25-10	1257	18455	Fri	Bulgarian diplo	RFSM	(AB)
BUL	29-10	0921	14755	Tue	Bulgarian diplo	RFSM	(AB)
BUL	29-10	1128	18515	Tue	Bulgarian diplo	RFSM	(AB)
BUL	29-10	1220	17440	Tue	Bulgarian diplo	RFSM	(AB)
BUL	29-10	1356	18455	Tue	Bulgarian diplo	RFSM	(AB)
DPRK	1-10	0832	13200	Tue	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	2-10	0652	16252	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	2-10	0652	16800	Wed	North Korean diplo	DPRK-ARQ 600 LSB	(AB)
DPRK	3-10	0705	18200	Thu	North Korean diplo	DPRK-ARQ LSB	(AB)
DPRK	3-10	0705	18655	Thu	North Korean diplo	DPRK-ARQ LSB	(AB)
DPRK	3-10	0705	19100	Thu	North Korean diplo	DPRK-ARQ LSB	(AB)
DPRK	3-10	0800	16252	Thu	North Korean diplo	DPRK-ARQ LSB	(AB)
DPRK	3-10	1247	16250	Thu	North Korean diplo	DPRK-ARQ LSB	(AB)
DPRK	3-10	1405	17710	Thu	North Korean diplo	DPRK-ARQ LSB	(AB)
DPRK	3-10	1405	18666	Thu	North Korean diplo	DPRK-ARQ LSB	(AB)
DPRK	4-10	1234	14650	Fri	North Korean diplo	DPRK-ARQ LSB	(AB)
DPRK	4-10	1234	16252	Fri	North Korean diplo	DPRK-ARQ LSB	(AB)
DPRK	4-10	1234	18650	Fri	North Korean diplo	DPRK-ARQ LSB	(AB)
DPRK	7-10	1207	16100	Mon	North Korean diplo	DPRK-ARQ LSB	(AB)
DPRK	9-10	1313	16252	Wed	North Korean diplo	DPRK-ARQ LSB	(AB)
DPRK	16-10	1405	19120	Wed	MFA Pyongyang	DPRK-ARQ LSB	(RL)
DPRK	22-10	1230	14650	Tue	North Korean diplo	DPRK-ARQ LSB	(AB)
DPRK	22-10	1230	16252	Tue	North Korean diplo	DPRK-ARQ LSB	(AB)
DPRK	22-10	1240	16200	Tue	North Korean diplo	DPRK-ARQ LSB	(AB)
DPRK	24-10	1232	16252	Thu	North Korean diplo	DPRK-ARQ LSB	(AB)
DPRK	24-10	1233	18650	Thu	North Korean diplo	DPRK-ARQ LSB	(AB)
DPRK	24-10	1258	16252	Thu	North Korean diplo	DPRK-ARQ LSB	(AB)
DPRK	24-10	1300	16230	Thu	North Korean diplo	DPRK-ARQ LSB	(AB)
DPRK	24-10	1300	18320	Thu	North Korean diplo	DPRK-ARQ LSB	(AB)
DPRK	28-10	1206	11045	Mon	North Korean diplo wkg 12202 kHz	DPRK-ARQ LSB	(AB)
DPRK	28-10	1206	12202	Mon	North Korean diplo wkg 11045 kHz	DPRK-ARQ LSB	(AB)
DPRK	28-10	1206	14300	Mon	North Korean diplo wkg 14800 kHz	DPRK-ARQ LSB	(AB)
DPRK	28-10	1206	14800	Mon	North Korean diplo wkg 14300 kHz	DPRK-ARQ LSB	(AB)
DPRK	28-10	1335	14400	Mon	North Korean diplo wkg 18960 kHz	DPRK-ARQ LSB	(AB)
DPRK	28-10	1335	18960	Mon	North Korean diplo wkg 14400 kHz	DPRK-ARQ LSB	(AB)
DPRK	28-10	1411	19120	Mon	North Korean diplo wkg 20100 kHz	DPRK-ARQ LSB	(AB)
DPRK	28-10	1411	20100	Mon	North Korean diplo wkg 19120 kHz	DPRK-ARQ LSB	(AB)
DPRK	29-10	0715	18650	Tue	North Korean diplo	DPRK-ARQ LSB	(AB)
DPRK	29-10	1238	14800	Tue	North Korean diplo	DPRK-ARQ LSB	(AB)
DPRK	29-10	1238	16252	Tue	North Korean diplo	DPRK-ARQ LSB	(AB)
DPRK	29-10	1238	16450	Tue	North Korean diplo	DPRK-ARQ LSB	(AB)
DPRK	29-10	1238	18650	Tue	North Korean diplo	DPRK-ARQ LSB	(AB)

E07	1-10	1500	17461	Tue	413 413 413 1 8727 70 8727 70 86854 19368 91126 ... 56420 31659 54991 000 000	USB	(AB/Lac/HFD)
E07	1-10	1520	16161	Tue	413 413 413 1 8727 70 8727 70 86854 19368 91126 ... 56420 31659 54991 000 000	USB	(AB/Lac/HFD)
E07	1-10	1540	14361	Tue	413 413 413 1 8727 70 8727 70 86854 19368 91126 ... 56420 31659 54991 000 000	USB	(AB/Lac/HFD)
E07	3-10	1410	15849	Thu	746 746 746 000	USB	(AB/HFD)
E07	3-10	1430	14849	Thu	746 746 746 000	USB	(AB/HFD)
E07	4-10	1500	17461	Fri	413 413 413 1 8727 70 8727 70 86854 19368 91126 ... 56420 31659 54991 000 000	USB	(AB)
E07	4-10	1520	16161	Fri	413 413 413 1 8727 70 8727 70 86854 19368 91126 ... 56420 31659 54991 000 000	USB	(AB)
E07	4-10	1540	14361	Fri	413 413 413 1 8727 70 8727 70 86854 19368 91126 ... 56420 31659 54991 000 000	USB	(AB)
E07	5-10	1410	15849	Sat	746 746 746 000	USB	(AB)
E07	5-10	1430	14849	Sat	746 746 746 000	USB	(AB)
E07	8-10	1500	17461	Tue	413 413 413 000	USB	(AB-CYP)
E07	8-10	1520	16161	Tue	413 413 413 000	USB	(AB-CYP)
E07	10-10	1410	15849	Thu	746 746 746 1 4198 129 4198 129 59873 57428 00165 ... 25048 64655 48096 000 000 Restarted after group 121.	USB	(AB/Lac)
E07	10-10	1430	14849	Thu	746 746 746 1 4198 129 4198 129 59873 57428 00165 ... 25048 64655 48096 000 000	USB	(AB)
E07	10-10	1450	13449	Thu	746 746 746 1 4198 129 4198 129 59873 57428 00165 ... 25048 64655 48096 000 000	USB	(AB)
E07	11-10	1500	17461	Fri	413 413 413 000	USB	(AB-RUS)
E07	11-10	1520	16161	Fri	413 413 413 000	USB	(AB-RUS)
E07	12-10	1410	15849	Sat	746 746 746 1 4198 129 4198 129 59873 57428 00165 ... 25048 64655 48096 000 000	USB	(AB)
E07	12-10	1430	14849	Sat	746 746 746 1 4198 129 4198 129 59873 57428 00165 ... 25048 64655 48096 000 000	USB	(AB)
E07	12-10	1450	13449	Sat	746 746 746 1 4198 129 4198 129 59873 57428 00165 ... 25048 64655 48096 000 000	USB	(AB)
E07	15-10	1500	17461	Tue	413 413 413 1 9195 158 9195 158 19752 59461 72367 ... 61059 29758 44304 000 000	USB	(AB-CYP/Lac)
E07	15-10	1520	16161	Tue	413 413 413 1 9195 158 9195 158 19752 59461 72367 ... 61059 29758 44304 000 000	USB	(AB-CYP/Lac)
E07	15-10	1540	14361	Tue	413 413 413 1 9195 158 9195 158 19752 59461 72367 ... 61059 29758 44304 000 000	USB	(AB-CYP/Lac)
E07	17-10	1410	15849	Thu	746 746 746 000	USB	(AB)
E07	17-10	1430	14849	Thu	746 746 746 000	USB	(AB)
E07	18-10	1500	17461	Fri	413 413 413 1 9195 158 9195 158 19752 59461 72367 ... 61059 29758 44304 000 000	USB	(AB-CYP)
E07	18-10	1520	16161	Fri	413 413 413 1 9195 158 9195 158 19752 59461 72367 ... 61059 29758 44304 000 000	USB	(AB-CYP)
E07	18-10	1540	14361	Fri	413 413 413 1 9195 158 9195 158 19752 59461 72367 ... 61059 29758 44304 000 000	USB	(AB-CYP)
E07	19-10	1410	15849	Sat	746 746 746 000	USB	(AB)
E07	19-10	1430	14849	Sat	746 746 746 000	USB	(AB)
E07	22-10	1500	17461	Tue	413 413 413 000	USB	(AB)
E07	22-10	1520	16161	Tue	413 413 413 000	USB	(AB)
E07	24-10	1410	15849	Thu	746 746 746 1 7385 88 7385 88 94075 38506 78738 ... 76586 17924 27336 000 000	USB	(AB)/Lac
E07	24-10	1430	14849	Thu	746 746 746 1 7385 88 7385 88 94075 38506 78738 ... 76586 17924 27336 000 000	USB	(AB)
E07	24-10	1450	13449	Thu	746 746 746 1 7385 88 7385 88 94075 38506 78738 ... 76586 17924 27336 000 000	USB	(AB)
E07	25-10	1500	17461	Fri	413 413 413 000	USB	(AB)
E07	25-10	1520	16161	Fri	413 413 413 000	USB	(AB)
E07	26-10	1410	15849	Sat	746 746 746 1 7385 88 7385 88 94075 38506 78738 ... 76586 17924 27336 000 000	USB	(AB)
E07	26-10	1430	14849	Sat	746 746 746 1 7385 88 7385 88 94075 38506 78738 ... 76586 17924 27336 000 000	USB	(AB)
E07	26-10	1450	13449	Sat	746 746 746 1 7385 88 7385 88 94075 38506 78738 ... 76586 17924 27336 000 000	USB	(AB)
E07	29-10	1500	17461	Tue	413 413 413 1 3654 104 3654 104 55344 64947 09431 ... 54593 78264 50516 000 000	USB	(AB/Lac)

E07	29-10	1520	16161	Tue	413 413 413 1 3654 104 3654 104 55344 64947 09431 ... 54593 78264 50516 000 000	USB	(AB)
E07	29-10	1540	14361	Tue	413 413 413 1 3654 104 3654 104 55344 64947 09431 ... 54593 78264 50516 000 000	USB	(AB)
E07	31-10	1410	15849	Thu	746 746 746 000	USB	(AB)
E07	31-10	1430	14849	Thu	746 746 746 000	USB	(AB)
E11	1-10	0645	8423	Tue	518/00 Out	USB	(AB/Lac)
E11	1-10	0700	8180	Tue	576/00 Out	USB	(AB/Lac)
E11	1-10	0715	15720	Tue	633/00 Out	USB	(AB/Lac)
E11	1-10	0745	14865	Tue	220/00 Out	USB	(AB)
E11	1-10	0820	19184	Tue	135/00 Out	USB	(AB/Lac)
E11	1-10	0845	18168	Tue	151/00 Out	USB	(AB/Lac)
E11	1-10	1000	9951	Tue	302/00 Out	USB	(AB)
E11	1-10	1205	9399	Tue	463/00 Out	USB	(AB)
E11	1-10	1230	12530	Tue	334/00 Out	USB	(AB)
E11	1-10	1430	14972	Tue	917/00 Out	USB	(AB/Lac)
E11	1-10	1605	5176	Tue	236/00 Out	USB	(AB/Lac)
E11	2-10	0600	19515	Wed	948/00 Out	USB	(AB/Lac)
E11	2-10	0715	19515	Wed	759/00 Out	USB	(AB)
E11	2-10	0745	17410	Wed	346/00 Out	USB	(AB/Lac)
E11	2-10	0820	19184	Wed	133/00 Out	USB	(AB)
E11	2-10	0845	12202	Wed	711/00 Out	USB	(AB)
E11	2-10	0900	13117	Wed	530/00 Out	USB	(AB)
E11	2-10	0930	6940	Wed	279/00 Out	USB	(AB)
E11	2-10	1045	12385	Wed	692/00 Out	USB	(AB)
E11	2-10	1610	4181	Wed	396/00 Out	USB	(AB)
E11	3-10	0645	8423	Thu	518/00 Out	USB	(AB)
E11	3-10	0745	14865	Thu	229/00 Out	USB	(AB/Lac)
E11	3-10	0845	18168	Thu	154/00 Out	USB	(AB)
E11	3-10	0930	6940	Thu	275/00 Out	USB	(AB-POL)
E11	3-10	1230	12530	Thu	331/00 Out	USB	(AB)
E11	3-10	1300	5371	Thu	316/00 Out	USB	(AB-POL)
E11	3-10	1530	10330	Thu	260/00 Out	USB	(AB)
E11	3-10	1730	12385	Thu	410/00 Out	USB	(AB/Lac)
E11	3-10	1900	7317	Thu	644/00 Out	USB	(AB)
E11	3-10	2000	5737	Thu	524/00 Out	USB	(AB)
E11	4-10	0600	8680	Fri	359/00 Out	USB	(AB/Lac)
E11	4-10	0700	8180	Fri	571/00 Out	USB	(AB)
E11	4-10	0715	15720	Fri	637/00 Out	USB	(AB)
E11	4-10	0745	17410	Fri	342/00 Out	USB	(AB)
E11	4-10	1000	9951	Fri	309/00 Out	USB	(AB/Lac)
E11	4-10	1815	11116	Fri	925/00 Out	USB	(AB)
E11	4-10	1910	8530	Fri	617/00 Out	USB	(AB)
E11	5-10	1430	14972	Sat	910/00 Out	USB	(AB)

E11	5-10	1610	4181	Sat	395/00 Out	USB	(AB)
E11	5-10	1645	4505	Sat	360/00 Out	USB	(AB)
E11	6-10	0600	8680	Sun	352/00 Out	USB	(AB)
E11	6-10	1605	5176	Sun	230/00 Out	USB	(AB)
E11	6-10	1645	4505	Sun	368/00 Out	USB	(AB)
E11	6-10	1745	13470	Sun	247/00 Out	USB	(AB/Hfd)
E11	6-10	1815	11116	Sun	921/00 Out	USB	(AB)
E11	6-10	1910	8530	Sun	613/00 Out	USB	(AB)
E11	6-10	2000	5737	Sun	521/00 Out	USB	(AB)
E11	7-10	0315	11420	Mon	251/00 Out	USB	(TM)
E11	7-10	0450	12385	Mon	412/00 Out	USB	(AB/Lac/HFD)
E11	7-10	0600	19515	Mon	949/00 Out	USB	(AB/Lac)
E11	7-10	0745	10213	Mon	269/00 Out	USB	(AB/Lac/HFD)
E11	7-10	0830	20170	Mon	188/00 Out	USB	(AB)
E11	7-10	0845	12202	Mon	718/00 Out	USB	(AB)
E11	7-10	1045	12385	Mon	698/00 Out	USB	(AB)
E11	7-10	1300	5371	Mon	312/00 Out	USB	(AB/HFD)
E11	8-10	0645	8423	Tue	515/00 Out	USB	(AB/HFD)
E11	8-10	0700	8180	Tue	570/00 Out	USB	(AB)
E11	8-10	0715	15720	Tue	630/00 Out	USB	(AB)
E11	8-10	0745	14865	Tue	227/00 Out	USB	(AB)
E11	8-10	0820	19184	Tue	135/00 Out	USB	(AB)
E11	8-10	1000	9951	Tue	304/00 Out	USB	(AB)
E11	8-10	1205	9399	Tue	461/00 Out	USB	(AB)
E11	8-10	1230	12530	Tue	330/00 Out	USB	(AB)
E11	8-10	1605	5176	Tue	237/00 Out	USB	(AB)
E11	9-10	0315	11420	Wed	259/00 Out	USB	(TM)
E11	9-10	0600	19515	Wed	946/00 Out	USB	(AB-POL)
E11	9-10	0745	17410	Wed	344/00 Out	USB	(AB)
E11	9-10	0820	19184	Wed	132/00 Out	USB	(AB)
E11	9-10	0845	12202	Wed	711/00 Out	USB	(AB)
E11	9-10	1045	12385	Wed	691/00 Out	USB	(AB)
E11	9-10	1205	9399	Wed	460/00 Out	USB	(AB)
E11	9-10	1715	6923	Wed	978/00 Out	USB	(AB)
E11	10-10	0645	8423	Thu	512/00 Out	USB	(AB)
E11	10-10	0745	14865	Thu	221/00 Out	USB	(AB)
E11	10-10	0820	9150	Thu	438/00 Out	USB	(AB/HFD)
E11	10-10	1230	12530	Thu	335/00 Out	USB	(AB)
E11	10-10	1300	5371	Thu	316/00 Out	USB	(AB-POL)
E11	10-10	1530	10330	Thu	261/00 Out	USB	(AB/HFD)
E11	10-10	1730	12385	Thu	412/00 Out	USB	(AB)
E11	10-10	2000	5737	Thu	528/00 Out	USB	(AB)

E11	11-10	0700	8180	Fri	577/00 Out	USB	(AB/Lac)
E11	11-10	0715	15720	Fri	635/00 Out	USB	(AB-POL)
E11	11-10	0745	17410	Fri	346/00 Out	USB	(AB-POL)
E11	11-10	0820	9150	Fri	431/00 Out	USB	(AB)
E11	11-10	0830	20170	Fri	189/00 Out	USB	(AB-POL)
E11	11-10	1000	9951	Fri	300/00 Out	USB	(AB)
E11	11-10	1715	6923	Fri	972/00 Out	USB	(AB)
E11	11-10	1910	8530	Fri	617/00 Out	USB	(AB)
E11	12-10	0700	9079	Sat	497/00 Out	USB	(AB)
E11	12-10	1645	4505	Sat	360/00 Out	USB	(AB)
E11	13-10	0700	9079	Sun	498/00 Out	USB	(AB)
E11	13-10	1605	5176	Sun	237/00 Out	USB	(AB)
E11	13-10	1645	4505	Sun	360/00 Out	USB	(AB)
E11	13-10	1910	8530	Sun	617/00 Out	USB	(AB)
E11	13-10	2000	5737	Sun	521/00 Out	USB	(AB)
E11	14-10	0315	11420	Mon	259/00 Out	USB	(TM)
E11	14-10	0450	12385	Mon	414/00 Out	USB	(TM)
E11	14-10	0600	19515	Mon	948/00 Out	USB	(AB)
E11	14-10	0715	19515	Mon	751/00 Out	USB	(AB/Lac)
E11	14-10	0745	10213	Mon	262/00 Out	USB	(AB/Lac)
E11	14-10	0830	20170	Mon	181/00 Out	USB	(AB)
E11	14-10	0845	12202	Mon	711/00 Out	USB	(AB)
E11	14-10	0900	13117	Mon	534/00 Out	USB	(AB)
E11	14-10	1045	12385	Mon	694/00 Out	USB	(AB)
E11	14-10	1300	5371	Mon	312/00 Out	USB	(AB)
E11	14-10	1745	13470	Mon	248/00 Out	USB	(AB-CYP)
E11	14-10	1900	7317	Mon	649/00 out	USB	(AB)
E11	15-10	0715	15720	Tue	636/00 Out	USB	(AB)
E11	15-10	0820	19184	Tue	135/00 Out	USB	(AB)
E11	15-10	0845	18168	Tue	156/00 Out	USB	(AB)
E11	15-10	1205	9399	Tue	462/00 Out	USB	(AB)
E11	15-10	1430	14972	Tue	912/00 Out	USB	(AB)
E11	15-10	1605	5176	Tue	235/00 Out	USB	(AB)
E11	16-10	0315	11420	Wed	252/00 Out	USB	(TM)
E11	16-10	0600	19515	Wed	940/00 Out	USB	(AB-POL)
E11	16-10	0715	19515	Wed	750/00 Out	USB	(AB/Lac)
E11	16-10	0820	19184	Wed	136/00 Out	USB	(AB)
E11	16-10	0845	12202	Wed	718/00 Out	USB	(AB)
E11	16-10	0900	13117	Wed	538/00 Out	USB	(AB)
E11	16-10	0930	6940	Wed	270/00 Out	USB	(AB)
E11	16-10	1045	12385	Wed	690/00 Out	USB	(AB)
E11	16-10	1205	9399	Wed	463/00 Out	USB	(AB)

E11	16-10	1610	4181	Wed	394/00 Out	USB	(AB)
E11	16-10	1715	6923	Wed	975/00 Out	USB	(AB)
E11	17-10	0820	9150	Thu	436/00 Out	USB	(AB)
E11	17-10	0845	18168	Thu	151/00 Out	USB	(AB)
E11	17-10	0930	6940	Thu	275/00 Out	USB	(AB-POL)
E11	17-10	1300	5371	Thu	313/00 Out	USB	(AB-POL)
E11	17-10	1530	10330	Thu	269/00 Out	USB	(AB)
E11	17-10	1730	12385	Thu	411/00 Out	USB	(AB/HFD)
E11	17-10	1900	7317	Thu	640/00 out	USB	(AB)
E11	17-10	2000	5737	Thu	520/00 Out	USB	(AB)
E11	18-10	0600	8680	Fri	358/00 Out	USB	(AB)
E11	18-10	0715	15720	Fri	636/00 Out	USB	(AB-POL)
E11	18-10	0820	9150	Fri	436/00 Out	USB	(AB)
E11	18-10	0830	20170	Fri	184/00 Out	USB	(AB-POL)
E11	18-10	1715	6923	Fri	978/00 Out	USB	(AB)
E11	18-10	1815	11116	Fri	922/00 Out	USB	(AB)
E11	18-10	1910	8530	Fri	613/00 Out	USB	(AB)
E11	19-10	0700	9079	Sat	492/00 Out	USB	(AB)
E11	19-10	1430	14972	Sat	914/00 Out	USB	(AB)
E11	19-10	1610	4181	Sat	393/00 Out	USB	(AB)
E11	20-10	0600	8680	Sun	352/00 Out	USB	(AB)
E11	20-10	0700	9079	Sun	497/00 Out	USB	(AB)
E11	20-10	1605	5176	Sun	233/00 Out	USB	(AB)
E11	20-10	1745	13470	Sun	245/00 Out	USB	(AB)
E11	20-10	1745	13470	Sun	245/00 Out	USB	(AB)
E11	20-10	1815	11116	Sun	924/00 Out	USB	(AB)
E11	20-10	1910	8530	Sun	618/00 Out	USB	(AB)
E11	20-10	2000	5737	Sun	524/00 Out	USB	(AB)
E11	21-10	0315	11420	Mon	253/00 Out	USB	(TM)
E11	21-10	0450	12385	Mon	410/00 Out	USB	(TM)
E11	21-10	0600	19515	Mon	942/00 Out	USB	(AB/Lac)
E11	21-10	0745	10213	Mon	268/00 Out	USB	(AB)
E11	21-10	0845	12202	Mon	719/00 Out	USB	(AB)
E11	21-10	0900	13117	Mon	533/00 Out	USB	(AB)
E11	21-10	1300	5371	Mon	311/00 Out	USB	(AB)
E11	21-10	1745	13470	Mon	242/00 Out	USB	(AB-CYP)
E11	21-10	1900	7317	Mon	Tones at 1850 and 1902 no transmission heard	USB	(AB)
E11	22-10	0645	8423	Tue	510/00 Out	USB	(AB)
E11	22-10	0700	8180	Tue	575/00 Out	USB	(AB)
E11	22-10	0745	14865	Tue	225/00 Out	USB	(AB)
E11	22-10	0845	18168	Tue	150/00 Out	USB	(AB)
E11	22-10	1000	9951	Tue	304/00 Out	USB	(AB)



E11	22-10	1205	9399	Tue	463/00 Out	USB	(AB)
E11	22-10	1230	12530	Tue	338/00 Out	USB	(AB)
E11	22-10	1430	14972	Tue	910/00 Out	USB	(AB)
E11	23-10	0600	19515	Wed	946/00 Out	USB	(AB-POL)
E11	23-10	0715	19515	Wed	754/00 Out	USB	(AB)
E11	23-10	0745	17410	Wed	340/00 Out	USB	(AB)
E11	23-10	0845	12202	Wed	716/00 Out	USB	(AB)
E11	23-10	0900	13117	Wed	535/00 Out	USB	(AB)
E11	23-10	0930	6940	Wed	278/00 Out	USB	(AB)
E11	23-10	1205	9399	Wed	465/00 Out	USB	(AB)
E11	23-10	1610	4181	Wed	390/00 Out	USB	(AB)
E11	23-10	1715	6923	Wed	970/00 Out	USB	(AB)
E11	24-10	0645	8423	Thu	517/00 Out	USB	(AB)
E11	24-10	0745	14865	Thu	225/00 Out	USB	(AB)
E11	24-10	0820	9150	Thu	435/00 Out	USB	(AB)
E11	24-10	0845	18168	Thu	152/00 Out	USB	(AB)
E11	24-10	0930	6940	Thu	273/00 Out	USB	(AB-POL)
E11	24-10	1230	12530	Thu	332/00 Out	USB	(AB)
E11	24-10	1300	5371	Thu	315/00 Out	USB	(AB)
E11	24-10	1530	10330	Thu	260/00 Out	USB	(AB)
E11	24-10	1730	12385	Thu	418/00 Out	USB	(AB)
E11	24-10	1900	7317	Thu	649/00 out	USB	(AB)
E11	25-10	0600	8680	Fri	358/00 Out	USB	(AB)
E11	25-10	0700	8180	Fri	577/00 Out	USB	(AB)
E11	25-10	0745	17410	Fri	346/00 Out	USB	(AB)
E11	25-10	0820	9150	Fri	435/00 Out	USB	(AB)
E11	25-10	1000	9951	Fri	304/00 Out	USB	(AB)
E11	25-10	1715	6923	Fri	978/00 Out	USB	(AB)
E11	25-10	1815	11116	Fri	924/00 Out	USB	(AB)
E11	26-10	0700	9079	Sat	495/00 Out	USB	(AB)
E11	26-10	1430	14972	Sat	914/00 Out	USB	(AB)
E11	26-10	1610	4181	Sat	391/00 Out	USB	(AB)
E11	26-10	1645	4505	Sat	368/00 Out	USB	(AB)
E11	27-10	0600	8680	Sun	352/00 Out	USB	(AB)
E11	27-10	0700	9079	Sun	490/00 Out	USB	(AB)
E11	27-10	1645	4505	Sun	368/00 Out	USB	(AB)
E11	27-10	1815	11116	Sun	924/00 Out	USB	(AB)
E11	28-10	0715	19515	Mon	752/00 Out	USB	(AB/Lac)
E11	28-10	0830	20170	Mon	188/00 Out	USB	(AB-POL)
E11	28-10	0900	13117	Mon	532/00 Out	USB	(AB)
E11	28-10	1045	12385	Mon	694/00 Out	USB	(AB)
E11	28-10	1745	13470	Mon	247/00 Out	USB	(AB-CYP)



E11	28-10	1900	7317	Mon	644/00 Out	USB	(AB)
E11	29-10	0645	8423	Tue	511/00 Out	USB	(AB)
E11	29-10	0700	8180	Tue	571/00 Out	USB	(AB/Lac)
E11	29-10	0715	15720	Tue	633/00 Out	USB	(AB)
E11	29-10	0745	14865	Tue	223/00 Out	USB	(AB)
E11	29-10	0820	19184	Tue	131/00 Out	USB	(AB)
E11	29-10	0845	18168	Tue	154/00 Out	USB	(AB)
E11	29-10	1000	9951	Tue	302/00 Out	USB	(AB)
E11	29-10	1230	12530	Tue	338/00 Out	USB	(AB)
E11	29-10	1430	14972	Tue	914/00 Out	USB	(AB)
E11	29-10	1605	5176	Tue	231/00 Out	USB	(AB)
E11	30-10	0715	19515	Wed	759/00 Out	USB	(AB)
E11	30-10	0745	17410	Wed	343/00 Out	USB	(AB)
E11	30-10	0820	19184	Wed	130/00 Out	USB	(AB)
E11	30-10	0900	13117	Wed	532/00 Out	USB	(AB)
E11	30-10	0930	6940	Wed	276/00 Out	USB	(AB)
E11	30-10	1045	12385	Wed	696/00 Out	USB	(AB)
E11	30-10	1610	4181	Wed	390/00 Out	USB	(AB)
E11	30-10	1715	6923	Wed	974/00 Out	USB	(AB)
E11	31-10	0645	8423	Thu	519/00 Out	USB	(AB)
E11	31-10	0745	14865	Thu	224/00 Out	USB	(AB)
E11	31-10	0820	9150	Thu	439/00 Out	USB	(AB)
E11	31-10	0845	18168	Thu	152/00 Out	USB	(AB)
E11	31-10	0930	6940	Thu	278/00 Out	USB	(AB)
E11	31-10	1230	12530	Thu	337/00 Out	USB	(AB)
E11	31-10	1900	7317	Thu	640/00 out	USB	(AB)
E11	31-10	2000	5737	Thu	528/00 Out	USB	(AB)
E11a	2-10	1715	6923	Wed	976/39 Attention 25854 90330 56981 ... 30418 75052 24008 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	3-10	0820	9150	Thu	435/32 Attention 27388 83013 53456 ... 61520 31845 64635 Attention (msg rptd) Ou	USB	(Subilo)
E11a	4-10	0820	9150	Fri	435/32 Attention 27388 83013 53456 ... 61520 31845 64635 Attention (msg rptd) Out	USB	(AB)
E11a	4-10	1715	6923	Fri	976/39 Attention 25854 90330 56981 ... 30418 75052 24008 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	5-10	0700	9079	Sat	492/38 Attention 59524 21361 12428 ... 01382 76356 35542 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	6-10	0700	9079	Sun	492/38 Attention 59524 21361 12428 ... 01382 76356 35542 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	7-10	0715	19515	Mon	752/30 Attention 03384 19658 81981 ... 70752 73078 18018 Attention (msg rptd) Out	USB	(AB/Lac)
E11a	7-10	0900	13117	Mon	536/32 Attention 95076 33918 62605 ... 24619 38378 46135 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	7-10	1745	13470	Mon	248/38 Attention 50204 84327 52227 ... 63428 11271 22824 Attention (msg rptd) Out	USB	(AB-CYP/HFD/Subilo)
E11a	7-10	1900	7317	Mon	641/36 Attention 90510 70132 89069 ... 64757 48588 66014 Attention (msg rptd) out	USB	(AB/HFD/SUBilo)
E11a	8-10	0845	18168	Tue	152/25 Attention 80510 22045 70492 ... 16003 26181 10901 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	8-10	1430	14972	Tue	919/34 Attention 55099 75206 94029 ... 92732 28150 37130 Attention (msg rptd) Out	USB	(AB-CYP/Subilo)
E11a	9-10	0715	19515	Wed	752/30 Attention 03384 19658 91981 ... 70752 73078 18018 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	9-10	0900	13117	Wed	536/32 Attention 95076 33918 62605 ... 24619 38378 46135 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	9-10	0930	6940	Wed	278/34 Attention 47215 58470 85719 ... 01958 81653 39375 Attention (msg rptd) Out	USB	(AB/Subilo)

E11a	9-10	1610	4181	Wed	391/33 Attention 88730 33575 66829 ... 34978 56345 53616 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	10-10	0845	18168	Thu	152/25 Attention 80510 22045 70492 ... 16003 26181 10901 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	10-10	0930	6940	Thu	278/34 Attention 47215 58470 85719 ... 01958 81653 39375 Attention (msg rptd) Out	USB	(AB-POL/Subilo)
E11a	10-10	1900	7317	Thu	641/36 Attention 90510 70132 89069 ... 64757 48588 66014 Attention (msg rptd) out	USB	(AB/Subilo)
E11a	11-10	0600	8680	Fri	358/36 Attention 53492 14892 46445 ... 26627 44931 41064 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	11-10	1815	11116	Fri	926/37 Attention 58275 65060 10704 ... 42618 39849 35757 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	12-10	1430	14972	Sat	919/34 Attention 55099 75206 94029 ... 92732 28150 37130 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	12-10	1610	4181	Sat	391/33 Attention 88730 33575 66829 ... 34978 56345 53616 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	13-10	0600	8680	Sun	358/36 Attention 53492 14892 46445 ... 26627 44931 41064 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	13-10	1745	13470	Sun	248/38 Attention 50204 84327 52227 ... 63428 11271 22824 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	13-10	1815	11116	Sun	926/37 Attention 58275 65060 10704 ... 42618 39849 35757 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	15-10	0645	8423	Tue	512/35 Attention 11824 57123 84389 ... 10224 59006 49832 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	15-10	0700	8180	Tue	579/39 Attention 20329 22146 61073 ... 13829 75125 42862 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	15-10	0745	14865	Tue	223/39 Attention 76329 18800 16724 ... 59986 97390 80835 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	15-10	1000	9951	Tue	300/24 Attention 71210 41976 09424 ... 60307 82566 33350 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	15-10	1230	12530	Tue	331/34 Attention 58545 59705 24610 ... 80217 29786 50854 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	16-10	0745	17410	Wed	343/34 Attention 91051 54802 41876 ... 19139 61222 41957 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	17-10	0645	8423	Thu	512/35 Attention 11824 57123 84389 ... 10224 59006 49832 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	17-10	0745	14865	Thu	223/39 Attention 76329 18800 16724 ... 59986 97390 80835 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	17-10	1230	12530	Thu	331/34 Attention 58545 59705 24610 ... 80217 29786 50854 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	18-10	0700	8180	Fri	579/39 Attention 20329 22146 61073 ... 13829 75125 42862 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	18-10	0745	17410	Fri	343/34 Attention 91051 54802 41876 ... 19139 61222 41957 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	18-10	1000	9951	Fri	300/24 Attention 71210 41976 09424 ... 60307 82566 33350 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	19-10	1645	4505	Sat	369/38 Attention 40046 78586 50629 ... 28887 57335 40053 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	20-10	1645	4505	Sun	369/38 Attention 40046 78586 50629 ... 28887 57335 40053 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	21-10	0830	20170	Mon	189/28 Attention 37905 78966 35636 ... 75915 63068 37014 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	21-10	1045	12385	Mon	698/23 Attention 12809 00055 19571 ... 72034 27475 64152 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	22-10	0715	15720	Tue	630/36 Attention 75405 15701 68719 ... 15463 81393 97371 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	22-10	0820	19184	Tue	132/38 Attention 86328 96748 53840 ... 28707 21684 45131 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	22-10	1605	5176	Tue	232/31 Attention 70188 21741 85003 ... 85104 19964 57411 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	23-10	0820	19184	Wed	132/38 Attention 86328 96748 53840 ... 28707 21684 45131 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	23-10	1045	12385	Wed	698/23 Attention 12809 00055 19571 ... 72034 27475 64152 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	24-10	2000	5737	Thu	520/37 Attention 25668 11025 74985 ... 44349 59694 13642 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	25-10	0715	15720	Fri	630/36 Attention 75405 15701 68719 ... 15463 81393 97371 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	25-10	0830	20170	Fri	189/28 Attention 37905 78966 35636 ... 75915 63068 37014 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	25-10	1910	8530	Fri	616/35 Attention 16730 57127 27246 ... 13657 82737 06962 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	27-10	1605	5176	Sun	232/31 Attention 70188 21741 85003 ... 85104 19964 57411 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	27-10	1910	8530	Sun	616/35 Attention 16730 57127 27246 ... 13657 82737 06962 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	27-10	2000	5737	Sun	520/37 Attention 25668 11025 74985 ... 44349 59694 13642 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	28-10	0315	11420	Mon	256/33 Attention 47283 48429 34811 ... 92912 05567 39072 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	28-10	0450	12385	Mon	416/38 Attention 46676 95611 96664 ... 52511 61452 16334 Attention (msg rptd) Out	USB	(TM)
E11a	28-10	0600	19515	Mon	940/30 Attention 86606 78982 17484 ... 43101 66474 96495 Attention (msg rptd) Out	USB	(Subilo)

E11a	28-10	0745	10213	Mon	268/32 Attention 26598 36620 32210 ... 90996 57461 87050 Attention (msg rptd) Out	USB	(AB)
E11a	28-10	0845	12202	Mon	718/38 Attention 63461 93433 26141 ... 32982 91195 38993 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	28-10	1300	5371	Mon	312/32 Attention 28051 51361 53797 ... 73391 29665 63371 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	29-10	1205	9399	Tue	469/38 Attention 00968 70822 56080 ... 86176 06252 53140 Attention (msg rptd) Out	USB	(AB/Lac/Subilo)
E11a	30-10	0315	11420	Wed	256/33 Attention 47283 48429 34811 ... 92912 05567 39072 Attention (msg rptd) Out	USB	(Subilo)
E11a	30-10	0600	19515	Wed	940/30 Attention 86606 78982 17484 ... 43101 66474 96495 Attention (msg rptd) Out	USB	(AB-POL)
E11a	30-10	0845	12202	Wed	718/38 Attention 63461 93433 26141 ... 32982 91195 38993 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	30-10	1205	9399	Wed	469/38 Attention 00968 70822 56080 ... 86176 06252 53140 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	31-10	1300	5371	Thu	312/32 Attention 28051 51361 53797 ... 73391 29665 63371 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	31-10	1530	10330	Thu	268/32 Attention 26598 36620 32210 ... 90996 57461 87050 Attention (msg rptd) Out	USB	(AB/Subilo)
E11a	31-10	1730	12385	Thu	416/38 Attention 46676 95611 96664 ... 52511 61452 16334 Attention (msg rptd) Out	USB	(AB/Subilo)
EGY	14-10	1320	20055	Mon	99903: MFA Cairo wkg 66601: Egyptian embassy Washington	Codan 9001	(AB)
EGY	14-10	1329	20055	Mon	99901: MFA Cairo wkg 44405: Egyptian embassy Islamabad	Codan 9001	(AB)
EGY	14-10	1413	20055	Mon	99901: MFA Cairo wkg 44405: Egyptian embassy Islamabad	Codan 9001	(AB)
EGY	15-10	1513	21855	Tue	99903: MFA Cairo broadcast to 74705: unid embassy	Codan 9001	(AB)
EGY	15-10	1516	20050	Tue	99901: MFA Cairo broadcast to 44405: Egyptian embassy Islamabad	Codan 9001	(AB)
EGY	15-10	1519	21855	Tue	99901: MFA Cairo broadcast to 44405: Egyptian embassy Islamabad	Codan 9001	(AB)
EGY	17-10	0830	20050	Thu	99901: MFA Cairo broadcast to 44405: Egyptian embassy Islamabad	Codan 9001	(AB)
EGY	17-10	1300	21856.7	Thu	MFA Cairo clg RCVB: Egyptian embassy Washington	SITOR-A 100/170	(AB)
EGY	17-10	1303	21855	Thu	99903: MFA Cairo extremely long broadcast (3h18m) to 66601: Egyptian embassy Washington	Codan 9001	(AB)
EGY	18-10	1526	20050	Fri	99901: MFA Cairo wkg 44406: Egyptian embassy New Delhi	Codan 9001	(AB)
EGY	21-10	1605	20035	Mon	Egyptian diplo	Codan 9001	(AB)
EGY	21-10	1613	20055	Mon	99903: MFA Cairo wkg 66601: Egyptian embassy Washington	Codan 9001	(AB)
EGY	21-10	1640	20056.7	Mon	MFA Cairo wkg Egyptian embassy Washington. Ended with QKFS +? HUXD KY KY	SITOR-A 100/170	(AB)
EGY	21-10	1644	20055	Mon	99903: MFA Cairo wkg 66601: Egyptian embassy Washington	Codan 9001	(AB)
EGY	24-10	1034	20055	Thu	99901: MFA Cairo wkg 44405: Egyptian embassy Islamabad	Codan 9001	(AB)
EGY	24-10	1039	20050	Thu	99901: MFA Cairo wkg 44405: Egyptian embassy Islamabad	Codan 9001	(AB)
EGY	24-10	1128	20256.7	Thu	MFA Cairo clg OOV: Egyptian embassy Islamabad	SITOR-A 100/170	(AB)
EGY	24-10	1131	20055	Thu	99901: MFA Cairo wkg 44405: Egyptian embassy Islamabad	Codan 9001	(AB)
EGY	24-10	1310	20055	Thu	99901: MFA Cairo wkg 44405: Egyptian embassy Islamabad	Codan 9001	(AB)
EGY	24-10	1310	20256.7	Thu	MFA Cairo clg OOV: Egyptian embassy Islamabad	SITOR-A 100/170	(AB)
EGY	27-10	0702	19667.7	Sun	Egyptian diplo ended with KDPDKJ ODSWJ LFTJH KDDR DWJ JGK KOJKD 3 UKSD+?	SITOR-A 100/170	(AB)
EGY	27-10	0705	19666	Sun	Egyptian diplo (too weak to decode)	CODAN 9001	(AB)
F01	1-10	0230	13370	Tue	+++++ +++++ +++++	FSK 200/500	(PY)
F01	1-10	0240	11538	Tue	+++++ +++++ +++++	FSK 200/500	(PY)
F01	1-10	0250	10614	Tue	+++++ +++++ +++++	FSK 200/500	(PY)
F01	1-10	1015	11129	Tue	Messages 58 and 59	FSK 200/500	(AB)
F01	1-10	1025	9082	Tue	Messages 58 and 59	FSK 200/500	(AB-POL)
F01	1-10	1035	7344	Tue	Messages 58 and 59	FSK 200/500	(AB-POL)
F01	2-10	0230	13370	Wed	Messages 08 and 09	FSK 200/500	(PY)
F01	2-10	0240	11538	Wed	Messages 08 and 09	FSK 200/500	(PY)

F01	2-10	0250	10614	Wed	Messages 08 and 09	FSK 200/500	(PY)
F01	2-10	1015	11129	Wed	Message 60	FSK 200/500	(AB)
F01	2-10	1025	9082	Wed	Message 60	FSK 200/500	(AB-POL)
F01	2-10	1035	7344	Wed	Message 60	FSK 200/500	(AB-POL)
F01	3-10	0230	13370	Thu	Messages 08 and 09	FSK 200/500	(PY)
F01	3-10	0240	11538	Thu	Messages 08 and 09	FSK 200/500	(PY)
F01	3-10	0250	10614	Thu	Messages 08 and 09	FSK 200/500	(PY)
F01	3-10	1015	11129	Thu	Messages 61 and 62	FSK 200/500	(AB)
F01	3-10	1025	9082	Thu	Messages 61 and 62	FSK 200/500	(AB-POL)
F01	3-10	1035	7344	Thu	Messages 61 and 62	FSK 200/500	(AB-POL)
F01	4-10	0230	13370	Fri	00000 +++++ +++++	FSK 200/500	(PY)
F01	4-10	0240	11538	Fri	00000 +++++ +++++	FSK 200/500	(PY)
F01	4-10	0250	10614	Fri	00000 +++++ +++++	FSK 200/500	(PY)
F01	4-10	1015	11129	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	4-10	1025	9082	Fri	00000 +++++ +++++	FSK 200/500	(AB-POL)
F01	4-10	1035	7344	Fri	00000 +++++ +++++	FSK 200/500	(AB-POL)
F01	7-10	0230	13370	Mon	00000 +++++ +++++	FSK 200/500	(PY)
F01	7-10	0240	11538	Mon	00000 +++++ +++++	FSK 200/500	(PY)
F01	7-10	0250	10614	Mon	00000 +++++ +++++	FSK 200/500	(PY)
F01	7-10	1015	11129	Mon	Message 63	FSK 200/500	(AB/HFD-RUS)
F01	7-10	1025	9082	Mon	Message 63	FSK 200/500	(AB/HFD-RUS)
F01	7-10	1035	7344	Mon	Message 63	FSK 200/500	(AB/HFD-RUS)
F01	8-10	0235	13370	Tue	late modulation start. 1337z: Message 10	FSK 200/500	(PY)
F01	8-10	0241	11538	Tue	Message 10	FSK 200/500	(PY)
F01	8-10	0250	10614	Tue	Message 10	FSK 200/500	(PY)
F01	8-10	1015	11129	Tue	Messages 64 and 65	FSK 200/500	(AB)
F01	8-10	1025	9082	Tue	Messages 64 and 65	FSK 200/500	(AB-POL)
F01	8-10	1035	7344	Tue	Messages 64 and 65	FSK 200/500	(AB-POL)
F01	9-10	0230	13370	Wed	Message 11	FSK 200/500	(PY)
F01	9-10	0240	11538	Wed	Message 11	FSK 200/500	(PY)
F01	9-10	0250	10614	Wed	Message 11	FSK 200/500	(PY)
F01	9-10	1015	11129	Wed	Message 66	FSK 200/500	(AB)
F01	9-10	1025	9082	Wed	Message 66	FSK 200/500	(AB-POL)
F01	9-10	1035	7344	Wed	Message 66	FSK 200/500	(AB-POL)
F01	10-10	0230	13370	Thu	Message 11	FSK 200/500	(PY)
F01	10-10	0240	11538	Thu	Message 11	FSK 200/500	(PY)
F01	10-10	0250	10614	Thu	Message 11	FSK 200/500	(PY)
F01	10-10	1015	11129	Thu	Messages 67 and 68	FSK 200/500	(AB)
F01	10-10	1025	9082	Thu	Messages 67 and 68	FSK 200/500	(AB-POL)
F01	10-10	1035	7344	Thu	Messages 67 and 68	FSK 200/500	(AB-POL)
F01	11-10	0230	13370	Fri	00000 +++++ +++++	FSK 200/500	(PY)
F01	11-10	1015	11129	Fri	00000 +++++ +++++	FSK 200/500	(AB)

F01	11-10	1025	9082	Fri	00000 +++++ +++++	FSK 200/500	(AB-POL)
F01	11-10	1035	7344	Fri	00000 +++++ +++++	FSK 200/500	(AB-POL)
F01	14-10	0230	13370	Mon	Messages 12 and 13	FSK 200/500	(PY)
F01	14-10	0240	11538	Mon	Messages 12 and 13	FSK 200/500	(PY)
F01	14-10	0250	10614	Mon	Messages 12 and 13	FSK 200/500	(PY)
F01	14-10	1015	11129	Mon	Message 69	FSK 200/500	(AB)
F01	14-10	1025	9082	Mon	Message 69	FSK 200/500	(AB-POL)
F01	14-10	1035	7344	Mon	Message 69	FSK 200/500	(AB-POL)
F01	15-10	1015	11129	Tue	Messages 70 and 71	FSK 200/500	(AB)
F01	15-10	1025	9082	Tue	Messages 70 and 71	FSK 200/500	(AB-POL)
F01	15-10	1035	7344	Tue	Messages 70 and 71	FSK 200/500	(AB-POL)
F01	16-10	0230	13370	Wed	Message 14	FSK 200/500	(PY)
F01	16-10	0250	10614	Wed	Message 14	FSK 200/500	(PY)
F01	16-10	1015	11129	Wed	Message 72	FSK 200/500	(AB)
F01	16-10	1025	9082	Wed	Message 72	FSK 200/500	(AB-POL)
F01	16-10	1035	7344	Wed	Message 72	FSK 200/500	(AB-POL)
F01	17-10	0230	13370	Thu	+++++ +++++ +++++	FSK 200/500	(PY)
F01	17-10	0240	11538	Thu	No decode	FSK 200/500	(PY)
F01	17-10	0250	10614	Thu	Message 14	FSK 200/500	(PY)
F01	17-10	1015	11129	Thu	Messages 73 and 74	FSK 200/500	(AB-RUS)
F01	17-10	1025	9082	Thu	Messages 73 and 74	FSK 200/500	(AB-POL)
F01	17-10	1035	7344	Thu	Messages 73 and 74	FSK 200/500	(AB-POL)
F01	18-10	0230	13370	Fri	00000 +++++ +++++	FSK 200/500	(PY)
F01	18-10	1015	11129	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	18-10	1025	9082	Fri	00000 +++++ +++++	FSK 200/500	(AB-POL)
F01	18-10	1035	7344	Fri	00000 +++++ +++++	FSK 200/500	(AB-POL)
F01	21-10	0230	13370	Mon	Messages 15 and 16	FSK 200/500	(PY)
F01	21-10	0240	11538	Mon	Messages 15 and 16	FSK 200/500	(PY)
F01	21-10	0250	11538	Mon	Messages 15 and 16	FSK 200/500	(PY)
F01	21-10	0255	10614	Mon	Messages 15 and 16	FSK 200/500	(PY)
F01	21-10	1015	11129	Mon	Message 75	FSK 200/500	(AB)
F01	21-10	1025	9082	Mon	Message 75	FSK 200/500	(AB-POL)
F01	21-10	1035	7344	Mon	Message 75	FSK 200/500	(AB-POL)
F01	22-10	0230	13370	Tue	Messages 15 and 16	FSK 200/500	(PY)
F01	22-10	0250	10614	Tue	Messages 15 and 16	FSK 200/500	(PY)
F01	22-10	0930	10678	Tue	Message	FSK 200/500	(FD)
F01	22-10	0940	13966	Tue	Message	FSK 200/500	(FD)
F01	22-10	0950	18353	Tue	Message	FSK 200/500	(FD)
F01	22-10	1015	11129	Tue	Messages 76 and 77	FSK 200/500	(AB)
F01	22-10	1025	9082	Tue	Messages 76 and 77	FSK 200/500	(AB-POL)
F01	22-10	1035	7344	Tue	Messages 76 and 77	FSK 200/500	(AB-POL)
F01	23-10	0230	13370	Wed	Messages 17 and 18	FSK 200/500	(PY)



F01	23-10	0240	11538	Wed	Messages 17 and 18	FSK 200/500	(PY)
F01	23-10	0250	10614	Wed	Messages 17 and 18	FSK 200/500	(PY)
F01	23-10	0930	10678	Wed	Message 19	FSK 200/500	(PY)
F01	23-10	0940	13966	Wed	Message 19	FSK 200/500	(PY)
F01	23-10	0950	18353	Wed	Message 19	FSK 200/500	(PY)
F01	23-10	1015	11129	Wed	Message 78	FSK 200/500	(AB-RUS)
F01	23-10	1025	9082	Wed	Message 78	FSK 200/500	(AB-POL)
F01	23-10	1035	7344	Wed	Message 78	FSK 200/500	(AB-POL)
F01	24-10	0250	10614	Thu	Messages 17 and 18	FSK 200/500	(PY)
F01	24-10	1015	11129	Thu	Messages 79 and 80	FSK 200/500	(AB)
F01	24-10	1025	9082	Thu	Messages 79 and 80	FSK 200/500	(AB-POL)
F01	24-10	1035	7344	Thu	Messages 79 and 80	FSK 200/500	(AB-POL)
F01	25-10	0230	13370	Fri	00000 +++++ +++++	FSK 200/500	(PY)
F01	25-10	1015	11129	Fri	00000 +++++ +++++	FSK 200/500	(AB)
F01	25-10	1025	9082	Fri	00000 +++++ +++++	FSK 200/500	(AB-POL)
F01	25-10	1035	7344	Fri	00000 +++++ +++++	FSK 200/500	(AB-POL)
F01	28-10	0230	13370	Mon	Message 19	FSK 200/500	(PY)
F01	28-10	0240	11538	Mon	Message 19	FSK 200/500	(PY)
F01	28-10	0250	10614	Mon	Message 19	FSK 200/500	(PY)
F01	29-10	0230	13370	Tue	Message 19	FSK 200/500	(PY)
F01	29-10	0240	11538	Tue	Message 19	FSK 200/500	(PY)
F01	29-10	0250	10614	Tue	Message 19	FSK 200/500	(PY)
F01	30-10	0230	13370	Wed	Message 20	FSK 200/500	(PY)
F01	30-10	0240	11538	Wed	Message 20	FSK 200/500	(PY)
F01	30-10	0250	10614	Wed	Message 20	FSK 200/500	(PY)
F01	31-10	0230	13370	Thu	Message 20	FSK 200/500	(PY)
F01	31-10	0240	11538	Thu	Message 20	FSK 200/500	(PY)
F01	31-10	0250	10614	Thu	modulation for a few seconds then idle carrier	FSK 200/500	(PY)
F02	10-10	0646	15667	Thu	Russian domestic net	FSK-4/150Bd/4000Hz	(AB)
F02	10-10	0812	12156	Thu	Russian domestic net. QSX 13391 kHz	FSK-4/150Bd/4000Hz	(AB)
F02	10-10	0812	13391	Thu	Russian domestic net. QSX 12156 kHz	FSK-4/150Bd/4000Hz	(AB)
F02	10-10	0900	17428	Thu	Russian domestic net	FSK-4/150Bd/4000Hz	(AB)
F02	10-10	1007	15664	Thu	Russian domestic net	FSK-4/150Bd/4000Hz	(AB)
F02	15-10	0800	14986	Tue	Russian domestic net	FSK-4/150Bd/4000Hz	(AB)
F02	15-10	1037	17432	Tue	Russian domestic net	FSK-4/150Bd/4000Hz	(AB)
F02	15-10	1052	17432	Tue	Russian domestic net	FSK-4/150Bd/4000Hz	(AB)
F02	15-10	1053	14463	Tue	Russian domestic net	FSK-4/150Bd/4000Hz	(AB)
F02	15-10	1102	14463	Tue	Russian domestic net	FSK-4/150Bd/4000Hz	(AB)
F02	17-10	0720	20060	Thu	Russian domestic net	FSK-4/150Bd/4000Hz	(AB)
F02	17-10	0730	18956	Thu	Russian domestic net	FSK-4/150Bd/4000Hz	(AB)
F02	22-10	0747	14986	Tue	Russian domestic net	FSK-4/150Bd/4000Hz	(AB)
F02	22-10	0800	14986	Tue	Russian domestic net	FSK-4/150Bd/4000Hz	(AB)

<b>F02</b>	23-10	0641	12155	Wed	Russian domestic net wkg 13391 kHz (1hr broadcast)	FSK-4/150Bd/4000Hz	(AB)
<b>F02</b>	23-10	0641	13391	Wed	Russian domestic net wkg 12155 kHz (1hr broadcast)	FSK-4/150Bd/4000Hz	(AB)
<b>F02</b>	23-10	0731	18744	Wed	Russian domestic net	FSK-4/150Bd/4000Hz	(AB)
<b>F02</b>	24-10	0641	12155	Thu	Russian domestic net wkg 13391 kHz	FSK-4/150Bd/4000Hz	(AB)
<b>F02</b>	24-10	0641	13391	Thu	Russian domestic net wkg 12155 kHz	FSK-4/150Bd/4000Hz	(AB)
<b>F02</b>	24-10	0747	14783	Thu	Russian domestic net	FSK-4/150Bd/4000Hz	(AB)
<b>F02</b>	29-10	1023	10843	Tue	Russian domestic net	FSK-4/150Bd/4000Hz	(AB)
<b>F03j</b>	1-10	0835	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	1-10	0840	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	2-10	0630	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	2-10	0635	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	3-10	0835	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	3-10	0840	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	4-10	0800	12089	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	4-10	0805	12089	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	7-10	0630	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	7-10	0635	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	7-10	0950	4828	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	7-10	0955	4828	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	8-10	0835	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	8-10	0840	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	9-10	0615	23353	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	9-10	0620	23353	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	9-10	0630	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	9-10	0635	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	10-10	0800	12089	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	10-10	0805	12089	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	10-10	0835	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	10-10	0840	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	11-10	0800	12089	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	11-10	0805	12089	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	14-10	0615	23353	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	14-10	0620	23353	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	14-10	0630	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	14-10	0635	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	14-10	0950	4828	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	14-10	0955	4828	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	15-10	0835	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	15-10	0840	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	16-10	0615	23353	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	16-10	0620	23353	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	16-10	0630	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)

<b>F03j</b>	16-10	0635	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	17-10	0800	12089	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	17-10	0805	12089	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	17-10	0835	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	17-10	0840	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	18-10	0800	12089	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	18-10	0805	12089	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	21-10	0615	23353	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	21-10	0620	23353	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	21-10	0630	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	21-10	0635	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	21-10	0950	4828	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	21-10	0955	4828	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	22-10	0835	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	22-10	0840	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	23-10	0615	23353	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	23-10	0620	23353	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	23-10	0630	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	23-10	0635	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	24-10	0800	12089	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	24-10	0805	12089	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	24-10	0835	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	24-10	0840	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	25-10	0800	12089	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	25-10	0805	12089	Fri	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	28-10	0615	23353	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	28-10	0620	23353	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	28-10	0630	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	28-10	0635	19515	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	28-10	0950	4828	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	28-10	0955	4828	Mon	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	29-10	0835	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	29-10	0840	18030	Tue	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	30-10	0615	23353	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	30-10	0620	23353	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB-POL)
<b>F03j</b>	30-10	0630	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	30-10	0635	19515	Wed	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	31-10	0800	12089	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	31-10	0805	12089	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	31-10	0835	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03j</b>	31-10	0840	18030	Thu	Polish intel.	FSK-4 100Bd/400Hz/448bp	(AB)
<b>F03l</b>	1-10	0800	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)



<b>F03I</b>	1-10	0805	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	1-10	0945	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	1-10	0950	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	2-10	0800	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	2-10	0805	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	2-10	0915	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	2-10	0920	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	2-10	1010	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	2-10	1015	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	3-10	0615	17378	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
<b>F03I</b>	3-10	0615	17378	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
<b>F03I</b>	3-10	0620	17378	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
<b>F03I</b>	3-10	0620	17378	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
<b>F03I</b>	3-10	0725	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	3-10	0730	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	3-10	0735	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	3-10	0740	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	3-10	0915	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
<b>F03I</b>	3-10	0920	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
<b>F03I</b>	3-10	1830	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	3-10	1835	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	4-10	0810	26753	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
<b>F03I</b>	4-10	0815	26753	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
<b>F03I</b>	4-10	0930	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	4-10	0935	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	4-10	0945	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	4-10	0950	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	4-10	1315	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	4-10	1320	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	7-10	0735	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	7-10	0740	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	7-10	0810	26753	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
<b>F03I</b>	7-10	0815	26753	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
<b>F03I</b>	7-10	0930	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	7-10	0935	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	7-10	1010	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	7-10	1015	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	7-10	1830	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	7-10	1835	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	8-10	0725	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	8-10	0730	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	8-10	0800	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

<b>F03I</b>	8-10	0805	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	8-10	0945	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	8-10	0950	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	9-10	0530	25839	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
<b>F03I</b>	9-10	0535	25839	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
<b>F03I</b>	9-10	0800	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	9-10	0805	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	9-10	0915	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	9-10	0920	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	9-10	0950	4828	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POLO)
<b>F03I</b>	9-10	0955	4828	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POLO)
<b>F03I</b>	9-10	1010	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	9-10	1015	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	10-10	0615	17378	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
<b>F03I</b>	10-10	0620	17378	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
<b>F03I</b>	10-10	0725	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	10-10	0730	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	10-10	0735	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	10-10	0740	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	10-10	0915	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
<b>F03I</b>	10-10	0920	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
<b>F03I</b>	10-10	1830	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	10-10	1835	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	11-10	0850	16530	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	11-10	0855	16530	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	11-10	0930	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	11-10	0935	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	11-10	0945	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	11-10	0950	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	11-10	1315	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	11-10	1320	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	14-10	0735	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	14-10	0740	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	14-10	0810	26753	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
<b>F03I</b>	14-10	0815	26753	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
<b>F03I</b>	14-10	0930	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	14-10	0935	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	14-10	1010	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	14-10	1015	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	14-10	1830	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	14-10	1835	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	15-10	0615	17378	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

F03I	15-10	0620	17378	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-10	0725	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-10	0730	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-10	0800	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-10	0805	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-10	0810	16530	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-10	0815	16530	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-10	0945	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	15-10	0950	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-10	0530	25839	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	16-10	0535	25839	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	16-10	0800	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-10	0805	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-10	0915	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-10	0920	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-10	0950	4828	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	16-10	0955	4828	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	16-10	1010	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	16-10	1015	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-10	0615	17378	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	17-10	0620	17378	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	17-10	0725	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-10	0730	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-10	0735	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-10	0740	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-10	0915	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	17-10	0920	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	17-10	1830	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	17-10	1835	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-10	0810	26753	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	18-10	0815	26753	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	18-10	0850	16530	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-10	0855	16530	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-10	0930	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-10	0935	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-10	0945	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-10	0950	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-10	1315	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	18-10	1320	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
F03I	21-10	0530	25839	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	21-10	0535	25839	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
F03I	21-10	0735	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

<b>F03I</b>	21-10	0740	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	21-10	0810	26753	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
<b>F03I</b>	21-10	0815	26753	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
<b>F03I</b>	21-10	0930	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	21-10	0935	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	21-10	1010	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	21-10	1015	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	21-10	1830	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	21-10	1835	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	22-10	0615	17378	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	22-10	0620	17378	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	22-10	0725	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	22-10	0730	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	22-10	0800	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	22-10	0805	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	22-10	0810	16530	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	22-10	0815	16530	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	22-10	0945	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	22-10	0950	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	23-10	0530	25839	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
<b>F03I</b>	23-10	0535	25839	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
<b>F03I</b>	23-10	0800	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	23-10	0805	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	23-10	0915	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	23-10	0920	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	23-10	0950	4828	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
<b>F03I</b>	23-10	0955	4828	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
<b>F03I</b>	23-10	1010	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	23-10	1015	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	24-10	0615	17378	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
<b>F03I</b>	24-10	0620	17378	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
<b>F03I</b>	24-10	0725	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	24-10	0730	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	24-10	0735	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	24-10	0740	10641	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	24-10	0915	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
<b>F03I</b>	24-10	0920	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
<b>F03I</b>	24-10	1830	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	24-10	1835	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	25-10	0850	16530	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	25-10	0855	16530	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	25-10	0930	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)

<b>F03I</b>	25-10	0935	6397	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	25-10	0945	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	25-10	0950	6940	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	25-10	1315	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	25-10	1320	15915	Fri	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	28-10	0735	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	28-10	0740	10641	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	28-10	0810	26753	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
<b>F03I</b>	28-10	0815	26753	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
<b>F03I</b>	28-10	0930	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	28-10	0935	6397	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	28-10	1010	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	28-10	1015	12153	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	28-10	1830	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	28-10	1835	7798	Mon	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	29-10	0615	17378	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	29-10	0615	17378	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
<b>F03I</b>	29-10	0620	17378	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	29-10	0620	17378	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
<b>F03I</b>	29-10	0725	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	29-10	0730	13873	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	29-10	0800	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	29-10	0805	18030	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	29-10	0810	16530	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	29-10	0815	16530	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	29-10	0945	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	29-10	0950	6940	Tue	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	30-10	0800	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	30-10	0805	18030	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	30-10	0915	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	30-10	0920	6849	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	30-10	0950	4828	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
<b>F03I</b>	30-10	0955	4828	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
<b>F03I</b>	30-10	1010	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	30-10	1015	12153	Wed	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	31-10	0615	17378	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
<b>F03I</b>	31-10	0620	17378	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
<b>F03I</b>	31-10	0720	17378	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
<b>F03I</b>	31-10	0725	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	31-10	0725	17378	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB-POL)
<b>F03I</b>	31-10	0730	13873	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	31-10	0915	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)



<b>F03I</b>	31-10	0920	6849	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	31-10	1830	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F03I</b>	31-10	1835	7798	Thu	Polish intel.	FSK-2 100Bd/200Hz/448bp	(AB)
<b>F06</b>	1-10	0030	11617	Tue	11166 60070 18930 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	1-10	0040	8193	Tue	11166 60070 18930 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	1-10	0050	7481	Tue	11166 60070 18930 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	1-10	0100	17532	Tue	1 block, 2 msgs, starting at blocks #5 and #5 (malformed, empty transmission)	FSK 200/1000	(PY)
<b>F06</b>	1-10	0110	16351	Tue	1 block, 2 msgs, starting at blocks #5 and #5 (malformed, empty transmission)	FSK 200/1000	(PY)
<b>F06</b>	1-10	0120	14428	Tue	1 block, 2 msgs, starting at blocks #5 and #5 (malformed, empty transmission)	FSK 200/1000	(PY)
<b>F06</b>	1-10	0700	10541	Tue	11166 70202 25864 30040 01879 and 11166 70202 36974 30041 02039	FSK 200/1000	(AB)
<b>F06</b>	1-10	0710	8113	Tue	11166 70202 25864 30040 01879 and 11166 70202 36974 30041 02039	FSK 200/1000	(AB)
<b>F06</b>	1-10	0720	6791	Tue	11166 70202 25864 30040 01879 and 11166 70202 36974 30041 02039	FSK 200/1000	(AB)
<b>F06</b>	1-10	0800	9274	Tue	11100 00000 91543 27056 02239	FSK 200/1000	(AB-FIN)
<b>F06</b>	1-10	0810	7614	Tue	11100 00000 91543 27056 02239	FSK 200/1000	(AB-FIN)
<b>F06</b>	1-10	1200	11173	Tue	11166 70202 25864 30040 01879 and 11166 70202 36974 30041 02039	FSK 200/1000	(AB)
<b>F06</b>	1-10	1210	9246	Tue	11166 70202 25864 30040 01879 and 11166 70202 36974 30041 02039	FSK 200/1000	(AB)
<b>F06</b>	1-10	1220	7611	Tue	11166 70202 25864 30040 01879 and 11166 70202 36974 30041 02039	FSK 200/1000	(AB)
<b>F06</b>	1-10	1650	16313	Tue	11166 10053 13467 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
<b>F06</b>	1-10	1700	12217	Tue	11166 10053 13467 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	1-10	1710	11453	Tue	11166 10053 13467 01001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	3-10	0120	14428	Thu	File ZFD_030 (1536 bytes) 44444 09501 00000 02030 00009	FSK 200/1000	(PY)
<b>F06</b>	3-10	0700	10541	Thu	11166 70202 91375 02043 01359 and 11166 70202 37619 02044 02239	FSK 200/1000	(AB)
<b>F06</b>	3-10	0710	8113	Thu	11166 70202 91375 02043 01359 and 11166 70202 37619 02044 02239	FSK 200/1000	(AB)
<b>F06</b>	3-10	0720	6791	Thu	11166 70202 91375 02043 01359 and 11166 70202 37619 02044 02239	FSK 200/1000	(AB)
<b>F06</b>	3-10	1200	11173	Thu	11166 70202 91375 02043 01359 and 11166 70202 37619 02044 02239	FSK 200/1000	(AB)
<b>F06</b>	3-10	1210	9246	Thu	11166 70202 91375 02043 01359 and 11166 70202 37619 02044 02239	FSK 200/1000	(AB)
<b>F06</b>	3-10	1220	7611	Thu	11166 70202 91375 02043 01359 and 11166 70202 37619 02044 02239	FSK 200/1000	(AB)
<b>F06</b>	3-10	1330	20321	Thu	11166 80214 68124 02054 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
<b>F06</b>	3-10	1340	18629	Thu	11166 80214 68124 02054 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	3-10	1350	13983	Thu	11166 80214 68124 02054 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	4-10	0100	17532	Fri	11100 09501 00000 04001 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
<b>F06</b>	4-10	0700	10541	Fri	11166 70202 74651 03056 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	4-10	0710	8113	Fri	11166 70202 74651 03056 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	4-10	0720	6791	Fri	11166 70202 74651 03056 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	6-10	1530	18957	Sun	11166 10053 15963 06001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
<b>F06</b>	6-10	1540	16317	Sun	11166 10053 15963 06001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	6-10	1550	12217	Sun	11166 10053 15963 06001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	7-10	0100	17532	Mon	11100 09501 00000 07092 03669	FSK 200/1000	(PY)
<b>F06</b>	7-10	0400	6848	Mon	11166 70059 12457 07055 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
<b>F06</b>	7-10	0410	5433	Mon	11166 70059 12457 07055 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	7-10	0420	4840	Mon	11166 70059 12457 07055 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
<b>F06</b>	7-10	0800	11128	Mon	11100 00000 86519 04057 01379	FSK 200/1000	(AB/PY)

F06	7-10	0810	9446	Mon	11100 00000 86519 04057 01379	FSK 200/1000	(AB)
F06	7-10	0820	7453	Mon	11100 00000 86519 04057 01379	FSK 200/1000	(AB)
F06	8-10	0030	11617	Tue	11166 60070 14785 08014 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	8-10	0030	11617	Tue	11166 60070 14785 08014 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	8-10	0040	8193	Tue	11166 60070 14785 08014 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	8-10	0040	8193	Tue	11166 60070 14785 08014 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	8-10	0050	7481	Tue	11166 60070 14785 08014 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	8-10	0050	7481	Tue	11166 60070 14785 08014 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	8-10	0100	17532	Tue	11100 09501 00000 07092 03669	FSK 200/1000	(PY)
F06	8-10	0700	10541	Tue	11166 70202 81632 07046 01339 and 11166 70202 67124 07047 02259	FSK 200/1000	(AB)
F06	8-10	0710	8113	Tue	11166 70202 81632 07046 01339 and 11166 70202 67124 07047 02259	FSK 200/1000	(AB)
F06	8-10	0720	6791	Tue	11166 70202 81632 07046 01339 and 11166 70202 67124 07047 02259	FSK 200/1000	(AB)
F06	8-10	0800	11128	Tue	11100 00000 86519 04057 01379	FSK 200/1000	(AB/PY)
F06	8-10	0810	9446	Tue	11100 00000 86519 04057 01379	FSK 200/1000	(AB)
F06	8-10	0820	7453	Tue	11100 00000 86519 04057 01379	FSK 200/1000	(AB)
F06	8-10	1200	11173	Tue	11166 70202 81632 07046 01339 and 11166 70202 67124 07047 02259	FSK 200/1000	(AB)
F06	8-10	1210	9246	Tue	11166 70202 81632 07046 01339 and 11166 70202 67124 07047 02259	FSK 200/1000	(AB)
F06	8-10	1220	7611	Tue	11166 70202 81632 07046 01339 and 11166 70202 67124 07047 02259	FSK 200/1000	(AB)
F06	8-10	1650	16313	Tue	11166 10053 13467 08001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	8-10	1700	12217	Tue	11166 10053 13467 08001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	8-10	1710	11453	Tue	11166 10053 13467 08001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	9-10	0100	17532	Wed	File ZFD_031 (1536 bytes) 44400 09501 00000 09031 00009	FSK 200/1000	(PY)
F06	9-10	0110	16351	Wed	File ZFD_031 (1536 bytes) 44400 09501 00000 09031 00009	FSK 200/1000	(PY)
F06	9-10	0915	26185	Wed	11166 09123 40023 09078 00049 00000 00000 00000 00000 (link id in encryption field)	FSK 200/1000	(AB/PY)
F06	9-10	0930	20026	Wed	11166 40023 14789 09078 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	9-10	0945	18269	Wed	11166 40023 14789 09078 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	9-10	1910	6956.85	Wed	11100 00000 67843 09050 02529	FSK 200/666	(PY)
F06	9-10	1920	9424.85	Wed	11100 00000 67843 09050 02529	FSK 200/666	(PY)
F06	9-10	1930	11610.85	Wed	11100 00000 67843 09050 02529	FSK 200/666	(PY)
F06	10-10	0100	17532	Thu	File ZFD_031 (1536 bytes) 44400 09501 00000 09031 00009	FSK 200/1000	(PY)
F06	10-10	0110	16351	Thu	File ZFD_031 (1536 bytes) 44400 09501 00000 09031 00009	FSK 200/1000	(PY)
F06	10-10	0700	10541	Thu	11166 70202 35214 09049 01559 and 11166 70202 85961 09050 01939	FSK 200/1000	(AB)
F06	10-10	0710	8113	Thu	11166 70202 35214 09049 01559 and 11166 70202 85961 09050 01939	FSK 200/1000	(AB)
F06	10-10	0720	6791	Thu	11166 70202 35214 09049 01559 and 11166 70202 85961 09050 01939	FSK 200/1000	(AB)
F06	10-10	1200	11173	Thu	11166 70202 35214 09049 01559 and 11166 70202 85961 09050 01939	FSK 200/1000	(AB)
F06	10-10	1210	9246	Thu	11166 70202 35214 09049 01559 and 11166 70202 85961 09050 01939	FSK 200/1000	(AB)
F06	10-10	1220	7611	Thu	11166 70202 35214 09049 01559 and 11166 70202 85961 09050 01939	FSK 200/1000	(AB)
F06	10-10	1330	20321	Thu	11166 80214 95124 10093 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	10-10	1340	18629	Thu	11166 80214 95124 10093 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	10-10	1350	13983	Thu	11166 80214 95124 10093 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	11-10	0100	17532	Fri	11100 09501 00000 11093 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	13-10	1530	18957	Sun	11166 10053 14753 13078 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)

F06	13-10	1540	16317	Sun	11166 10053 14753 13078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	13-10	1550	12217	Sun	11166 10053 14753 13078 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	14-10	0100	17532	Mon	11100 09501 00000 14093 02139 and 11100 09501 00000 14094 01999	FSK 200/1000	(PY)
F06	14-10	0800	11128	Mon	11100 00000 63985 11058 01519	FSK 200/1000	(AB/PY)
F06	14-10	0810	9446	Mon	11100 00000 63985 11058 01519	FSK 200/1000	(AB)
F06	14-10	0820	7453	Mon	11100 00000 63985 11058 01519	FSK 200/1000	(AB)
F06	15-10	0030	11617	Tue	11166 60070 74523 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	15-10	0040	8193	Tue	11166 60070 74523 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	15-10	0050	7481	Tue	11166 60070 74523 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	15-10	0100	17532	Tue	11100 09501 00000 14093 02139 and 11100 09501 00000 14094 01999	FSK 200/1000	(PY)
F06	15-10	0700	10541	Tue	11166 70202 37124 14052 01499 and 11166 70202 14687 14053 02039	FSK 200/1000	(AB)
F06	15-10	0710	8113	Tue	11166 70202 37124 14052 01499 and 11166 70202 14687 14053 02039	FSK 200/1000	(AB)
F06	15-10	0720	6791	Tue	11166 70202 37124 14052 01499 and 11166 70202 14687 14053 02039	FSK 200/1000	(AB)
F06	15-10	0800	11128	Tue	11100 00000 63985 11058 01519	FSK 200/1000	(AB)
F06	15-10	0810	9446	Tue	11100 00000 63985 11058 01519	FSK 200/1000	(AB)
F06	15-10	0820	7453	Tue	11100 00000 63985 11058 01519	FSK 200/1000	(AB/PY)
F06	15-10	1200	11173	Tue	11166 70202 37124 14052 01499 and 11166 70202 14687 14053 02039	FSK 200/1000	(AB)
F06	15-10	1210	9246	Tue	11166 70202 37124 14052 01499 and 11166 70202 14687 14053 02039	FSK 200/1000	(AB)
F06	15-10	1220	7611	Tue	11166 70202 37124 14052 01499 and 11166 70202 14687 14053 02039	FSK 200/1000	(AB)
F06	15-10	1650	16313	Tue	11166 10053 75369 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	15-10	1700	12217	Tue	11166 10053 75369 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	15-10	1710	11453	Tue	11166 10053 75369 15001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	16-10	0100	17532	Wed	-500Hz idle carrier	FSK 200/1000	(PY)
F06	16-10	0117	16331	Wed	File ZFD_032 (1536 bytes) 44400 09501 00000 16032 00009	FSK 200/1000	(PY)
F06	17-10	0700	10541	Thu	11166 70202 26935 16055 02499 and 11166 70202 90124 16056 01039	FSK 200/1000	(AB)
F06	17-10	0710	8113	Thu	11166 70202 26935 16055 02499 and 11166 70202 90124 16056 01039	FSK 200/1000	(AB)
F06	17-10	0720	6791	Thu	11166 70202 26935 16055 02499 and 11166 70202 90124 16056 01039	FSK 200/1000	(AB)
F06	17-10	1200	11173	Thu	11166 70202 26935 16055 02499 and 11166 70202 90124 16056 01039	FSK 200/1000	(AB)
F06	17-10	1210	9246	Thu	11166 70202 26935 16055 02499 and 11166 70202 90124 16056 01039	FSK 200/1000	(AB)
F06	17-10	1220	7611	Thu	11166 70202 26935 16055 02499 and 11166 70202 90124 16056 01039	FSK 200/1000	(AB)
F06	17-10	1330	20321	Thu	11166 80214 12693 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	17-10	1340	18629	Thu	11166 80214 12693 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	17-10	1350	13983	Thu	11166 80214 12693 17001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18-10	0100	17532	Fri	11100 09501 00000 18245 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	18-10	0700	10541	Fri	11166 70202 40581 18044 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18-10	0710	8113	Fri	11166 70202 40581 18044 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	18-10	0720	6791	Fri	11166 70202 40581 18044 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20-10	1530	18957	Sun	11166 10053 74523 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	20-10	1540	16317	Sun	11166 10053 74523 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	20-10	1550	12217	Sun	11166 10053 74523 20001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	21-10	0100	17532	Mon	11100 09501 00000 21095 01389 and 11100 09501 00000 21096 01899	FSK 200/1000	(PY)
F06	21-10	0400	6848	Mon	11166 70059 96521 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)



F06	21-10	0410	5433	Mon	11166 70059 96521 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	21-10	0420	4840	Mon	11166 70059 96521 21001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	21-10	0800	11128	Mon	11100 00000 47930 18059 00799	FSK 200/1000	(AB)
F06	21-10	0810	9446	Mon	11100 00000 47930 18059 00799	FSK 200/1000	(AB)
F06	21-10	0820	7453	Mon	11100 00000 47930 18059 00799	FSK 200/1000	(AB)
F06	22-10	0030	11617	Tue	11166 60070 59487 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	22-10	0040	8193	Tue	11166 60070 59487 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	22-10	0050	7481	Tue	11166 60070 59487 22001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	22-10	0100	17532	Tue	11100 09501 00000 21095 01389 and 11100 09501 00000 21096 01899	FSK 200/1000	(PY)
F06	22-10	0701	10541	Tue	11166 70202 65719 21058 01239 and 11166 70202 75826 21059 02579	FSK 200/1000	(AB)
F06	22-10	0710	8113	Tue	11166 70202 65719 21058 01239 and 11166 70202 75826 21059 02579	FSK 200/1000	(AB)
F06	22-10	0720	6791	Tue	11166 70202 65719 21058 01239 and 11166 70202 75826 21059 02579	FSK 200/1000	(AB)
F06	22-10	0800	11128	Tue	11100 00000 47930 18059 00799	FSK 200/1000	(AB/PY)
F06	22-10	0810	9446	Tue	11100 00000 47930 18059 00799	FSK 200/1000	(AB)
F06	22-10	0820	7453	Tue	11100 00000 47930 18059 00799	FSK 200/1000	(AB)
F06	22-10	1200	11173	Tue	11166 70202 65719 21058 01239 and 11166 70202 75826 21059 02579	FSK 200/1000	(AB)
F06	22-10	1210	9246	Tue	11166 70202 65719 21058 01239 and 11166 70202 75826 21059 02579	FSK 200/1000	(AB)
F06	22-10	1220	7611	Tue	11166 70202 65719 21058 01239 and 11166 70202 75826 21059 02579	FSK 200/1000	(AB)
F06	22-10	1650	16313	Tue	11166 10053 14785 22028 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	22-10	1700	12217	Tue	11166 10053 14785 22028 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	22-10	1710	11453	Tue	11166 10053 14785 22028 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	23-10	0100	17532	Wed	File ZFD_33 (2560 bytes) empty text header	FSK 200/1000	(PY)
F06	23-10	0110	16351	Wed	File ZFD_33 (2560 bytes) empty text header	FSK 200/1000	(PY)
F06	23-10	0120	14428	Wed	File ZFD_33 (2560 bytes) empty text header	FSK 200/1000	(PY)
F06	23-10	0915	26185	Wed	11166 40023 74523 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	23-10	0930	20026	Wed	11166 40023 74523 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	23-10	0945	18269	Wed	11166 40023 74523 23001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	24-10	0100	17532	Thu	File ZFD_33 (2560 bytes) empty text header	FSK 200/1000	(PY)
F06	24-10	0110	16351	Thu	File ZFD_33 (2560 bytes) empty text header	FSK 200/1000	(PY)
F06	24-10	0120	14428	Thu	File ZFD_33 (2560 bytes) empty text header	FSK 200/1000	(PY)
F06	24-10	0700	10541	Thu	11166 70202 71082 23060 01019 and 11166 70202 35741 23061 02079	FSK 200/1000	(AB)
F06	24-10	0710	8113	Thu	11166 70202 71082 23060 01019 and 11166 70202 35741 23061 02079	FSK 200/1000	(AB)
F06	24-10	0720	6791	Thu	11166 70202 71082 23060 01019 and 11166 70202 35741 23061 02079	FSK 200/1000	(AB)
F06	24-10	1200	11173	Thu	11166 70202 71082 23060 01019 and 11166 70202 35741 23061 02079	FSK 200/1000	(AB)
F06	24-10	1210	9246	Thu	11166 70202 71082 23060 01019 and 11166 70202 35741 23061 02079	FSK 200/1000	(AB)
F06	24-10	1220	7611	Thu	11166 70202 71082 23060 01019 and 11166 70202 35741 23061 02079	FSK 200/1000	(AB)
F06	24-10	1330	20321	Thu	11166 80214 79465 24017 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	24-10	1340	18629	Thu	11166 80214 79465 24017 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	24-10	1350	13983	Thu	11166 80214 79465 24017 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	25-10	0100	17532	Fri	11100 09501 00000 25056 00049 00000 00000 00000 00000	FSK 200/1000	(PY)
F06	25-10	0700	10541	Fri	11166 70202 69541 24091 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	25-10	0710	8113	Fri	11166 70202 69541 24091 00049 00000 00000 00000 00000	FSK 200/1000	(AB)

F06	25-10	0720	6791	Fri	11166 70202 69541 24091 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	27-10	1530	18957	Sun	11166 10053 15487 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	27-10	1540	16317	Sun	11166 10053 15487 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	27-10	1550	12217	Sun	11166 10053 15487 27001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	29-10	0030	11617	Tue	11166 60070 14785 29021 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	29-10	0040	8193	Tue	11166 60070 14785 29021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	29-10	0050	7481	Tue	11166 60070 14785 29021 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	29-10	0100	17532	Tue	11100 09501 00000 28097 04029	FSK 200/1000	(PY)
F06	29-10	1000	13396	Tue	11100 00000 30854 28038 00039 61547 32986 00000	FSK 200/1000	(AB)
F06	29-10	1015	11123	Tue	11100 00000 30854 28038 00039 61547 32986 00000	FSK 200/1000	(AB)
F06	29-10	1030	9089	Tue	11100 00000 30854 28038 00039 61547 32986 00000	FSK 200/1000	(PY)
F06	29-10	1400	7954	Tue	11100 00000 30854 28038 00039 61547 32986 00000	FSK 200/1000	(FD)
F06	29-10	1415	5452	Tue	11100 00000 30854 28038 00039 61547 32986 00000	FSK 200/1000	(FD)
F06	29-10	1430	4035	Tue	11100 00000 30854 28038 00039 61547 32986 00000	FSK 200/1000	(FD)
F06	29-10	1650	16313	Tue	11166 10053 74523 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	29-10	1700	12217	Tue	11166 10053 74523 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB/PY)
F06	29-10	1710	11453	Tue	11166 10053 74523 29001 00049 00000 00000 00000 00000	FSK 200/1000	(AB)
F06	30-10	0100	17532	Wed	File ZFD_34 (1536 bytes) 44444 09501 00000 30034 00009	FSK 200/1000	(PY)
F06	30-10	0900	14432	Wed	11100 00000 18473 29004 00029 10582 00000	FSK 200/1000	(Priyom)
F06	30-10	0915	12209	Wed	11100 00000 18473 29004 00029 10582 00000	FSK 200/1000	(Priyom)
F06	30-10	0930	10271	Wed	11100 00000 18473 29004 00029 10582 00000	FSK 200/1000	(Priyom)
F06	30-10	1000	13396	Wed	File 44413 (binary contents)	FSK 200/1000	(AB/PY)
F06	30-10	1015	11123	Wed	File 44413 (binary contents)	FSK 200/1000	(AB/PY)
F06	30-10	1030	9089	Wed	File 44413 (binary contents)	FSK 200/1000	(AB)
F06	31-10	0100	17532	Thu	File ZFD_34 (1536 bytes) 44444 09501 00000 30034 00009	FSK 200/1000	(PY)
F06	31-10	1000	13396	Thu	Files 44414 and 44415 (binary contents)	FSK 200/1000	(AB/PY)
F06	31-10	1015	11123	Thu	Files 44414 and 44415 (binary contents)	FSK 200/1000	(AB/PY)
F06	31-10	1030	9089	Thu	Files 44414 and 44415 (binary contents)	FSK 200/1000	(AB/PY)
F06	31-10	1200	11173	Thu	File 44466 and 44467 (binary contents)	FSK 200/1000	(AB)
F06	31-10	1215	9246	Thu	File 44466 and 44467 (binary contents)	FSK 200/1000	(AB)
F06	31-10	1230	7611	Thu	File 44466 and 44467 (binary contents)	FSK 200/1000	(AB)
F06a	24-9	2000	8065	Tue	Active	FSK 200/1000	(FD)
F06a	24-9	2015	5912	Tue	Active	FSK 200/1000	(FD)
F06a	24-9	2030	4043	Tue	Active	FSK 200/1000	(FD)
F06a	1-10	2000	6923	Tue	Active	FSK 200/1000	(FD)
F06a	1-10	2015	4312	Tue	Active	FSK 200/1000	(FD)
F06a	1-10	2030	3735	Tue	Active	FSK 200/1000	(FD)
F06a	2-10	0100	17532	Wed	File ZFD_030 (1536 bytes) 44444 09501 00000 02030 00009	FSK 200/1000	(PY)
F06a	2-10	0600	17481	Wed	File 41410 (binary contents)	FSK 200/1000	(PY)
F06a	2-10	0615	19834	Wed	File 41410 (binary contents)	FSK 200/1000	(PY)
F06a	2-10	0630	22875	Wed	File 41410 (binary contents)	FSK 200/1000	(PY)
F06a	2-10	0700	10541	Wed	File 44442 (binary contents)	FSK 200/1000	(AB)

F06a	2-10	0715	8113	Wed	File 44442 (binary contents)	FSK 200/1000	(AB)
F06a	2-10	0730	6791	Wed	File 44442 (binary contents)	FSK 200/1000	(AB)
F06a	2-10	1200	11173	Wed	File 44442 (binary contents)	FSK 200/1000	(AB)
F06a	2-10	1215	9246	Wed	File 44442 (binary contents)	FSK 200/1000	(AB)
F06a	2-10	1230	7611	Wed	File 44442 (binary contents)	FSK 200/1000	(AB)
F06a	3-10	0100	17532	Thu	File ZFD_030 (1536 bytes) 44444 09501 00000 02030 00009	FSK 200/1000	(PY)
F06a	3-10	0110	16351	Thu	File ZFD_030 (1536 bytes) 44444 09501 00000 02030 00009	FSK 200/1000	(PY)
F06a	3-10	0600	17481	Thu	File 41410 (binary contents)	FSK 200/1000	(AB)
F06a	3-10	0615	19834	Thu	File 41410 (binary contents)	FSK 200/1000	(AB)
F06a	3-10	0630	22875	Thu	File 41410 (binary contents)	FSK 200/1000	(AB)
F06a	7-10	0700	10541	Mon	File 44445 (binary contents)	FSK 200/1000	(AB)
F06a	7-10	0715	8113	Mon	File 44445 (binary contents)	FSK 200/1000	(AB)
F06a	7-10	0730	6791	Mon	File 44445 (binary contents)	FSK 200/1000	(AB)
F06a	7-10	1200	11173	Mon	File 44445 (binary contents)	FSK 200/1000	(AB)
F06a	7-10	1215	9246	Mon	File 44445 (binary contents)	FSK 200/1000	(AB)
F06a	7-10	1230	7611	Mon	File 44445 (binary contents)	FSK 200/1000	(AB)
F06a	8-10	2000	6923	Tue	Active	FSK 200/1000	(FD)
F06a	8-10	2015	4312	Tue	Active	FSK 200/1000	(FD)
F06a	8-10	2030	3735	Tue	Active	FSK 200/1000	(FD)
F06a	9-10	0600	17481	Wed	File 84411 (binary contents)	FSK 200/1000	(AB-CYP)
F06a	9-10	0615	19834	Wed	File 84411 (binary contents)	FSK 200/1000	(AB-CYP)
F06a	9-10	0630	22875	Wed	File 84411 (binary contents)	FSK 200/1000	(AB-CYP)
F06a	9-10	0700	10541	Wed	File 44448 (binary contents)	FSK 200/1000	(AB)
F06a	9-10	0715	8113	Wed	File 44448 (binary contents)	FSK 200/1000	(AB)
F06a	9-10	0730	6791	Wed	File 44448 (binary contents)	FSK 200/1000	(AB)
F06a	9-10	1200	11173	Wed	File 44448 (binary contents)	FSK 200/1000	(AB)
F06a	9-10	1215	9246	Wed	File 44448 (binary contents)	FSK 200/1000	(AB)
F06a	9-10	1230	7611	Wed	File 44448 (binary contents)	FSK 200/1000	(AB)
F06a	10-10	0600	17481	Thu	File 84411 (binary contents)	FSK 200/1000	(AB-CYP)
F06a	10-10	0615	19834	Thu	File 84411 (binary contents)	FSK 200/1000	(AB-CYP)
F06a	10-10	0630	22875	Thu	File 84411 (binary contents)	FSK 200/1000	(AB-CYP)
F06a	14-10	0700	10541	Mon	File 44451 (binary contents)	FSK 200/1000	(AB)
F06a	14-10	0715	8113	Mon	File 44451 (binary contents)	FSK 200/1000	(AB)
F06a	14-10	0730	6791	Mon	File 44451 (binary contents)	FSK 200/1000	(AB)
F06a	14-10	1200	11173	Mon	File 44451 (binary contents)	FSK 200/1000	(AB)
F06a	14-10	1215	9246	Mon	File 44451 (binary contents)	FSK 200/1000	(AB)
F06a	14-10	1230	7611	Mon	File 44451 (binary contents)	FSK 200/1000	(AB)
F06a	15-10	2000	6923	Tue	Active	FSK 200/1000	(FD)
F06a	15-10	2015	4312	Tue	Active	FSK 200/1000	(FD)
F06a	15-10	2030	3735	Tue	Active	FSK 200/1000	(FD)
F06a	16-10	0600	17481	Wed	File 44312 (binary contents)	FSK 200/1000	(AB-CYP)
F06a	16-10	0615	19834	Wed	File 44312 (binary contents)	FSK 200/1000	(AB-CYP)

F06a	16-10	0630	22875	Wed	File 44312 (binary contents)	FSK 200/1000	(AB-CYP)
F06a	16-10	0700	10541	Wed	File 44454 (binary contents)	FSK 200/1000	(AB)
F06a	16-10	0715	8113	Wed	File 44454 (binary contents)	FSK 200/1000	(AB)
F06a	16-10	0730	6791	Wed	File 44454 (binary contents)	FSK 200/1000	(AB)
F06a	16-10	1200	11173	Wed	File 44454 (binary contents)	FSK 200/1000	(AB)
F06a	16-10	1215	9246	Wed	File 44454 (binary contents)	FSK 200/1000	(AB)
F06a	16-10	1230	7611	Wed	File 44454 (binary contents)	FSK 200/1000	(AB)
F06a	17-10	0600	17481	Thu	File 44312 (binary contents)	FSK 200/1000	(AB-CYP)
F06a	17-10	0615	19834	Thu	File 44312 (binary contents)	FSK 200/1000	(AB-CYP)
F06a	17-10	0630	22875	Thu	File 44312 (binary contents)	FSK 200/1000	(AB-CYP)
F06a	18-10	0700	18526	Fri	File 44406 (binary contents)	FSK 200/1000	(PY)
F06a	18-10	0715	17463	Fri	File 44406 (binary contents)	FSK 200/1000	(PY)
F06a	18-10	0730	15665	Fri	File 44406 (binary contents)	FSK 200/1000	(PY)
F06a	21-10	0700	10541	Mon	File 44457 (binary contents)	FSK 200/1000	(AB)
F06a	21-10	0700	18526	Mon	Message	FSK 200/1000	(FD)
F06a	21-10	0715	8113	Mon	File 44457 (binary contents)	FSK 200/1000	(AB)
F06a	21-10	0715	17463	Mon	Message	FSK 200/1000	(FD)
F06a	21-10	0730	6791	Mon	File 44457 (binary contents)	FSK 200/1000	(AB)
F06a	21-10	0730	15665	Mon	Message	FSK 200/1000	(FD)
F06a	21-10	1200	11173	Mon	File 44457 (binary contents)	FSK 200/1000	(AB)
F06a	21-10	1215	9246	Mon	File 44457 (binary contents)	FSK 200/1000	(AB)
F06a	21-10	1230	7611	Mon	File 44457 (binary contents)	FSK 200/1000	(AB)
F06a	22-10	2000	6923	Tue	Active	FSK 200/1000	(FD)
F06a	22-10	2015	4312	Tue	Active	FSK 200/1000	(FD)
F06a	22-10	2030	3735	Tue	Active	FSK 200/1000	(FD)
F06a	23-10	0600	17481	Wed	File 49413 (binary contents)	FSK 200/1000	(AB)
F06a	23-10	0615	19834	Wed	File 49413 (binary contents)	FSK 200/1000	(AB)
F06a	23-10	0630	22875	Wed	File 48413 (binary contents)	FSK 200/1000	(AB)
F06a	24-10	0600	17481	Thu	File 49413 (binary contents)	FSK 200/1000	(AB)
F06a	24-10	0615	19834	Thu	File 49413 (binary contents)	FSK 200/1000	(AB)
F06a	24-10	0630	22875	Thu	File 48413 (binary contents)	FSK 200/1000	(AB)
F06a	25-10	1900	10183	Fri	File 40435 (binary contents, 3037 bytes)	FSK 200/1000	(PY)
F06a	25-10	1915	9143	Fri	File 40435 (binary contents, 3037 bytes)	FSK 200/1000	(PY)
F06a	25-10	1930	8138	Fri	File 40435 (binary contents, 3037 bytes)	FSK 200/1000	(PY)
F06a	26-10	0600	13574	Sat	File 40435 (binary contents, 3037 bytes)	FSK 200/1000	(PY)
F06a	26-10	0615	12142	Sat	File 40435 (binary contents, 3037 bytes)	FSK 200/1000	(PY)
F06a	26-10	0630	11456	Sat	File 40435 (binary contents, 3037 bytes)	FSK 200/1000	(PY)
F06a	28-10	0700	10541	Mon	File 44462 (binary contents)	FSK 200/1000	(AB)
F06a	28-10	0715	8113	Mon	File 44462 (binary contents)	FSK 200/1000	(AB)
F06a	28-10	0730	6791	Mon	File 44462 (binary contents)	FSK 200/1000	(AB)
F06a	28-10	0800	11128	Mon	File 44460 (binary contents)	FSK 200/1000	(AB/PY)
F06a	28-10	0815	9446	Mon	File 44460 (binary contents)	FSK 200/1000	(AB/PY)

F06a	28-10	0830	7453	Mon	File 44460 (binary contents)	FSK 200/1000	(AB/PY)
F06a	28-10	0900	14432	Mon	File 44401 (3721 bytes) binary contents, empty text header	FSK 200/1000	(Priyom)
F06a	28-10	0915	12209	Mon	File 44401 (3721 bytes) binary contents, empty text header	FSK 200/1000	(Priyom)
F06a	28-10	0930	10271	Mon	File 44401 (3721 bytes) binary contents, empty text header	FSK 200/1000	(Priyom)
F06a	28-10	1000	13396	Mon	Files 44411 and 44412 (binary contents)	FSK 200/1000	(AB)
F06a	28-10	1015	11123	Mon	Files 44411 and 44412 (binary contents)	FSK 200/1000	(AB)
F06a	28-10	1030	9089	Mon	Files 44411 and 44412 (binary contents)	FSK 200/1000	(PY)
F06a	28-10	1200	11173	Mon	File 44462 (binary contents)	FSK 200/1000	(AB)
F06a	28-10	1215	9246	Mon	File 44462 (binary contents)	FSK 200/1000	(AB)
F06a	28-10	1230	7611	Mon	File 44426 (binary contents)	FSK 200/1000	(AB)
F06a	28-10	1400	7954	Mon	Active	FSK 200/1000	(FD)
F06a	28-10	1415	5452	Mon	Active	FSK 200/1000	(FD)
F06a	28-10	1430	4035	Mon	Active	FSK 200/1000	(FD)
F06a	29-10	0700	10541	Tue	Files 44463 and 44464 (binary contents)	FSK 200/1000	(AB)
F06a	29-10	0715	8113	Tue	Files 44463 and 44464 (binary contents)	FSK 200/1000	(AB-RUS)
F06a	29-10	0730	6791	Tue	Files 44463 and 44464 (binary contents)	FSK 200/1000	(AB-RUS)
F06a	29-10	0800	11128	Tue	File 44460 (binary contents)	FSK 200/1000	(AB/PY)
F06a	29-10	0815	9446	Tue	File 44460 (binary contents)	FSK 200/1000	(AB/PY)
F06a	29-10	0830	7453	Tue	File 44460 (binary contents)	FSK 200/1000	(AB)
F06a	29-10	0900	14432	Tue	File 44402 (1027 bytes) binary contents, empty text header, and file 44403 (1153 bytes) binary contents, empty text header	FSK 200/1000	(Priyom)
F06a	29-10	0915	12209	Tue	File 44402 (1027 bytes) binary contents, empty text header, and file 44403 (1153 bytes) binary contents, empty text header	FSK 200/1000	(Priyom)
F06a	29-10	0930	10271	Tue	File 44402 (1027 bytes) binary contents, empty text header, and file 44403 (1153 bytes) binary contents, empty text header	FSK 200/1000	(Priyom)
F06a	29-10	1200	11173	Tue	Files 44463 and 44464 (binary contents)	FSK 200/1000	(AB)
F06a	29-10	1215	9246	Tue	Files 44463 and 44464 (binary contents)	FSK 200/1000	(AB)
F06a	29-10	1230	7611	Tue	Files 44463 and 44464 (binary contents)	FSK 200/1000	(AB)
F06a	29-10	2000	6923	Tue	File 44487 (3542 bytes) empty text header, binary contents	FSK 200/1000	(PY/Rycat)
F06a	29-10	2015	4312	Tue	File 44487 (3542 bytes) empty text header, binary contents	FSK 200/1000	(PY/Rycat)
F06a	29-10	2030	3735	Tue	File 44487 (3542 bytes) empty text header, binary contents	FSK 200/1000	(PY/Rycat)
F06a	30-10	0600	17481	Wed	File 54414 (binary contents)	FSK 200/1000	(AB)
F06a	30-10	0615	19834	Wed	File 54414 (binary contents)	FSK 200/1000	(AB)
F06a	30-10	0630	22875	Wed	File 54414 (binary contents)	FSK 200/1000	(AB)
F06a	30-10	0700	10541	Wed	File 44465 (binary contents)	FSK 200/1000	(AB)
F06a	30-10	0700	18526	Wed	157 blocks, 1 msg, binary contents, undecodable	FSK 200/1000	(PY)
F06a	30-10	0715	8113	Wed	File 44465 (binary contents)	FSK 200/1000	(AB-RUS)
F06a	30-10	0715	17463	Wed	157 blocks, 1 msg, binary contents, undecodable	FSK 200/1000	(PY)
F06a	30-10	0730	6791	Wed	File 44465 (binary contents)	FSK 200/1000	(AB-RUS)
F06a	30-10	0730	15665	Wed	157 blocks, 1 msg, binary contents, undecodable	FSK 200/1000	(PY)
F06a	30-10	1200	11173	Wed	File 44465 (binary contents)	FSK 200/1000	(AB)
F06a	30-10	1215	9246	Wed	File 44465 (binary contents)	FSK 200/1000	(AB)



<b>F06a</b>	30-10	1230	7611	Wed	File 44465 (binary contents)	FSK 200/1000	(AB)
<b>F06a</b>	30-10	1400	7954	Wed	File 44413 (3621 bytes, binary contents) empty text header	FSK 200/1000	(PY)
<b>F06a</b>	30-10	1415	5452	Wed	File 44413 (3621 bytes, binary contents) empty text header	FSK 200/1000	(PY)
<b>F06a</b>	30-10	1430	4035	Wed	File 44413 (3621 bytes, binary contents) empty text header	FSK 200/1000	(PY)
<b>F06a</b>	31-10	0600	17481	Thu	File 54414 (binary contents)	FSK 200/1000	(AB)
<b>F06a</b>	31-10	0615	19834	Thu	File 54414 (binary contents)	FSK 200/1000	(AB)
<b>F06a</b>	31-10	0630	22875	Thu	File 54414 (binary contents)	FSK 200/1000	(AB)
<b>F06a</b>	31-10	0700	10541	Thu	File 44466 and 44467 (binary contents)	FSK 200/1000	(AB)
<b>F06a</b>	31-10	0715	8113	Thu	File 44466 and 44467 (binary contents)	FSK 200/1000	(AB-RUS)
<b>F06a</b>	31-10	0730	6791	Thu	File 44466 and 44467 (binary contents)	FSK 200/1000	(AB-RUS)
<b>F06a</b>	31-10	0900	14432	Thu	File 44404 (1897 bytes) binary contents, empty text header	FSK 200/1000	(Priyom)
<b>F06a</b>	31-10	0915	12209	Thu	File 44404 (1897 bytes) binary contents, empty text header	FSK 200/1000	(Priyom)
<b>F06a</b>	31-10	0930	10271	Thu	File 44404 (1897 bytes) binary contents, empty text header	FSK 200/1000	(Priyom)
<b>F06a</b>	31-10	1400	7954	Thu	File 44414 (1785 bytes, binary contents) empty text header, and file 44415 (1011 bytes, binary contents) empty text header	FSK 200/1000	(PY)
<b>F06a</b>	31-10	1415	5452	Thu	File 44414 (1785 bytes, binary contents) empty text header, and file 44415 (1011 bytes, binary contents) empty text header	FSK 200/1000	(PY)
<b>F06a</b>	31-10	1430	4035	Thu	File 44414 (1785 bytes, binary contents) empty text header, and file 44415 (1011 bytes, binary contents) empty text header	FSK 200/1000	(PY)
<b>F07</b>	1-10	1200	10643	Tue	Russian intel. Two blocks	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	1-10	1210	11467	Tue	Russian intel. Two blocks	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	1-10	1220	13526	Tue	Russian intel. Two blocks	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	1-10	2000	11147	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	1-10	2010	10463	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	1-10	2020	10176	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	1-10	2030	9248	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	1-10	2040	8173	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	1-10	2050	7629	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	3-10	2000	11147	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	3-10	2010	10463	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	3-10	2020	10176	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	3-10	2030	9248	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	3-10	2040	8173	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	3-10	2050	7629	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	8-10	2000	11147	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	8-10	2010	10463	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	8-10	2020	10176	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	8-10	2030	9248	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	8-10	2040	8173	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	8-10	2050	7629	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	10-10	2000	11147	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
<b>F07</b>	10-10	2010	10463	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)

F07	10-10	2020	10176	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	10-10	2030	9248	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	10-10	2040	8173	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	10-10	2050	7629	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	15-10	2000	11147	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	15-10	2010	10463	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	15-10	2020	10176	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	15-10	2030	9248	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	15-10	2040	8173	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	15-10	2050	7629	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	17-10	2000	11147	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	17-10	2010	10463	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	17-10	2020	10176	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	17-10	2030	9248	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	17-10	2040	8173	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	17-10	2050	7629	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	22-10	2000	11147	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	22-10	2010	10463	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	22-10	2020	10176	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	22-10	2030	9248	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	22-10	2040	8173	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	22-10	2050	7629	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	24-10	2000	11147	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	24-10	2010	10463	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	24-10	2020	10176	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	24-10	2030	9248	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	24-10	2040	8173	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	24-10	2050	7629	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	29-10	2000	11147	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	29-10	2010	10463	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	29-10	2020	10176	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	29-10	2030	9248	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	29-10	2040	8173	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	29-10	2050	7629	Tue	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB/RL)
F07	31-10	2000	11147	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	31-10	2010	10463	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	31-10	2020	10176	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	31-10	2030	9248	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	31-10	2040	8173	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
F07	31-10	2050	7629	Thu	Russian intel.	5xMFSK-16/10Bd/20Hz+250Bd BPSK	(AB)
M01	1-10	1800	5475	Tue	463 101 101 30 30 = = 76879 89004 67852 ... 94230 53480 57211 = = 101 101 30 30 000 Groups 5 and 30 were not repeated	CW	(AB-S)

M01	1-10	2000	5020	Tue	463 069 069 30 30 == 76899 57556 36361 ... 34675 76231 74901 == 069 069 30 30 000	CW	(AB-S)
M01	3-10	1800	5475	Thu	463 015 015 30 30 == 85932 85994 75539 ... 87422 33433 74800 == 015 015 30 30 000	CW	(AB-S)
M01	3-10	2000	5020	Thu	463 100 100 30 30 75849 76883 21312 ... 56561 87011 90432 == 100 100 30 30 000	CW	(AB)
M01	5-10	1500	6260	Sat	463 821 821 30 30 == 61528 52430 52891 ... 58925 49204 53212 == 821 821 30 30 000	CW	(AB-S)
M01	6-10	0700	6510	Sun	463 956 956 30 30 == 84532 75439 77120 ... 88465 1200 68003 == 956 956 30 30 000	CW	(AB-POL)
M01	8-10	2000	5020	Tue	463 498 498 30 30 == 61439 68145 96823 ... 64518 74613 89572 == 498 498 30 30 000	CW	(AB-S)
M01	10-10	1800	5475	Thu	463 ... (very poor signal)	CW	(AB-S)
M01	10-10	2000	5020	Thu	463 ... (very poor signal)	CW	(AB)
M01	12-10	0728	7115	Sat	i.p. ... 11214 42683 97860 = 429 50 000	MCW	(Lazo)
M01	12-10	1500	6260	Sat	463 127 127 30 30 == 64518 56253 78915 ... 62574 81936 61428 == 127 127 30 30 000	CW	(Subilo)
M01	13-10	0715	7115	Sun	unmodulated carrier for 16 minutes	MCW	(PY)
M01	15-10	1800	5475	Tue	463 822 822 30 30 == 61528 48096 52417 ... 57254 69264 67139 == 822 822 30 30 000	CW	(AB-S)
M01	15-10	2000	5020	Tue	463 413 413 30 30 == 61783 46247 41628 ... 23905 47821 74892 == 413 413 30 30 000	CW	(AB-S)
M01	17-10	1800	5475	Thu	463 254 254 30 30 == 18456 66324 88564 ... 99123 95640 00560 == 254 254 30 30 000	CW	(AB-S)
M01	17-10	2000	5020	Thu	463 (R2m30) silence (5m21s) 8 3 88121 99233 74550 99450 77342 71234 == 468 468 30 30 000	CW	(AB)
M01	19-10	1500	6260	Sat	463 019 109 30 30 == 86950 93827 19048 ... 93027 61758 94837 == 019 019 30 30 000	CW	(Subilo)
M01	20-10	0700	6510	Sun	463 539 539 30 30 == 75640 28105 93027 ... 96857 30923 86758 == 539 549 30 30 000	CW	(Subilo)
M01	22-10	1800	5475	Tue	463 123 123 30 30 == 48372 95847 83721 ... 171181148 4736543 3643 == 123 123 30 30 000	CW	(AB)
M01	24-10	1800	5475	Thu	463 097 097 30 30 == 65428 65478 37122 ... 34579 85995 75438 == 097 097 30 30 000	CW	(AB-S)
M01	26-10	1500	6260	Sat	463 178 178 30 30 == 93462 81232 99453 ... 83455 72314 48564 == 178 178 30 30 000	CW	(AB-POL)
M01	27-10	0700	6510	Sun	463 243 243 30 30 == 89054 83792 85746 ... 75649 30299 18693 == 243 243 30 30 000	CW	(Subilo)
M01	29-10	1800	5475	Tue	463 290 290 30 30 == 84533 95645 00233 ... 93420 99142 00453 290 290 30 30 000	CW	(AB)
M01	29-10	2000	5020	Tue	463 632 632 30 30 == 01232 88456 74352 ... 66547 73421 00231 == 632 632 30 30 000	CW	(AB)
M12	1-10	0300	17437	Tue	495 495 495 1 ...	CW	(HFD-J)
M12	1-10	0320	15937	Tue	495 495 495 1 ...	CW	(HFD-J)
M12	1-10	0340	14537	Tue	495 495 495 1 ...	CW	(HFD)
M12	1-10	1100	11519	Tue	289 289 289 1 9939 64 9939 64 49669 72341 28216 ... 68498 29667 08554 000 000	CW	(AB)
M12	1-10	1120	12194	Tue	289 289 289 1 9939 64 9939 64 49669 72341 28216 ... 68498 29667 08554 000 000	CW	(AB)
M12	1-10	1140	13407	Tue	289 289 289 1 9939 64 9939 64 49669 72341 28216 ... 68498 29667 08554 000 000	CW	(AB)
M12	2-10	1900	11135	Wed	122 122 122 1 174 109 174 109 50571 85080 03167 ... 67125 92621 42912 000 000	CW	(AB/HFD)
M12	2-10	1920	10235	Wed	122 122 122 1 174 109 174 109 50571 85080 03167 ... 67125 92621 42912 000 000	CW	(AB/HFD)
M12	2-10	1940	9235	Wed	122 122 122 1 174 109 174 109 50571 85080 03167 ... 67125 92621 42912 000 000	CW	(AB/HFD)
M12	2-10	2310	12217	Wed	254 254 254 1 ...	CW	(HFD)
M12	2-10	2330	11517	Wed	254 254 254 1 ...	CW	(HFD)
M12	2-10	2350	10417	Wed	254 254 254 1 ...	CW	(HFD)
M12	3-10	1800	11435	Thu	938 938 938 1 2674 76 2674 76 37908 96039 66030 ... 19962 45221 99989 000 000	CW	(AB)
M12	3-10	1820	10598	Thu	938 938 938 1 2674 76 2674 76 37908 96039 66030 ... 19962 45221 99989 000 000	CW	(AB)
M12	3-10	1840	9327	Thu	938 938 938 1 2674 76 2674 76 37908 96039 66030 ... 19962 45221 99989 000 000	CW	(AB)
M12	3-10	2000	10318	Thu	178 178 178 000	CW	(AB)
M12	3-10	2020	9218	Thu	178 178 178 000	CW	(AB)



M12	4-10	0010	17429	Fri	429 429 429 1 ...	CW	(HFD-J)
M12	4-10	0030	16219	Fri	429 429 429 1 ...	CW	(HFD-J)
M12	4-10	0040	15929	Fri	429 429 429 1 ...	CW	(HFD-J)
M12	4-10	1900	11135	Fri	122 122 122 1 174 109 174 109 50571 85080 03167 ... 67125 92621 42912 000 000	CW	(AB)
M12	4-10	1920	10235	Fri	122 122 122 1 174 109 174 109 50571 85080 03167 ... 67125 92621 42912 000 000	CW	(AB)
M12	4-10	1940	9235	Fri	122 122 122 1 174 109 174 109 50571 85080 03167 ... 67125 92621 42912 000 000	CW	(AB)
M12	4-10	2100	5794	Fri	770 770 770 000	CW	(AB/HFD)
M12	4-10	2120	6794	Fri	770 770 770 000	CW	(AB/HFD)
M12	5-10	2100	5794	Sat	770 770 770 000	CW	(AB)
M12	5-10	2120	6794	Sat	770 770 770 000	CW	(AB)
M12	6-10	2330	11517	Sun	254 254 254 1 380 301 380 301 38497 43091 05926 ... 70006 47355 67212 000 000	CW	(PY)
M12	6-10	2350	10417	Sun	254 254 254 1 380 301 380 301 38497 43091 05926 ... 70006 47355 67212 000 000	CW	(PY)
M12	7-10	2000	10318	Mon	178 178 178 1 4447 97 44447 97 10292 00975 67525... 73500 14478 64967 000 000	CW	(AB/HFD)
M12	7-10	2020	9218	Mon	178 178 178 1 4447 97 44447 97 10292 00975 67525... 73500 14478 64967 000 000	CW	(AB/HFD)
M12	7-10	2040	8118	Mon	178 178 178 1 4447 97 44447 97 10292 00975 67525... 73500 14478 64967 000 000	CW	(AB/HFD)
M12	8-10	1100	11519	Tue	289 289 289 1 3908 62 3908 62 19932 26355 11584 ... 68872 07050 01152 000 000	CW	(AB)
M12	8-10	1120	12194	Tue	289 289 289 1 3908 62 3908 62 19932 26355 11584 ... 68872 07050 01152 000 000	CW	(AB)
M12	8-10	1140	13407	Tue	289 289 289 1 3908 62 3908 62 19932 26355 11584 ... 68872 07050 01152 000 000	CW	(AB)
M12	9-10	1900	11135	Wed	122 122 122 1 174 109 174 109 50571 85080 03167 ... 67125 92621 42912 000 000	CW	(AB)
M12	9-10	1920	10235	Wed	122 122 122 1 174 109 174 109 50571 85080 03167 ... 67125 92621 42912 000 000	CW	(AB)
M12	9-10	1940	9235	Wed	122 122 122 1 174 109 174 109 50571 85080 03167 ... 67125 92621 42912 000 000	CW	(AB)
M12	9-10	2350	10417	Wed	254 254 254 1 536 72 536 72 77864 71702 10275 ... 53690 60688 21077 000 000	CW	(RL)
M12	10-10	1800	11435	Thu	398 398 398 1 4370 80 4370 80 67208 64287 15757 ... 96987 01156 78637 000 000	CW	(AB)
M12	10-10	1820	10598	Thu	398 398 398 1 4370 80 4370 80 67208 64287 15757 ... 96987 01156 78637 000 000	CW	(AB)
M12	10-10	1840	9327	Thu	398 398 398 1 4370 80 4370 80 67208 64287 15757 ... 96987 01156 78637 000 000	CW	(AB)
M12	10-10	2000	10318	Thu	178 178 178 1 4447 97 44447 97 10292 00975 67525... 73500 14478 64967 000 000	CW	(AB)
M12	10-10	2020	9218	Thu	178 178 178 1 4447 97 44447 97 10292 00975 67525... 73500 14478 64967 000 000	CW	(AB)
M12	10-10	2040	8118	Thu	178 178 178 1 4447 97 44447 97 10292 00975 67525... 73500 14478 64967 000 000	CW	(AB)
M12	11-10	1900	11135	Fri	122 122 122 1 174 109 174 109 50571 85080 03167 ... 67125 92621 42912 000 000	CW	(AB-CYP)
M12	11-10	1920	10235	Fri	122 122 122 1 174 109 174 109 50571 85080 03167 ... 67125 92621 42912 000 000	CW	(AB-CYP)
M12	11-10	1940	9235	Fri	122 122 122 1 174 109 174 109 50571 85080 03167 ... 67125 92621 42912 000 000	CW	(AB-CYP)
M12	11-10	2100	5794	Fri	770 770 770 000	CW	(AB)
M12	11-10	2120	6794	Fri	770 770 770 000	CW	(AB)
M12	12-10	2100	5794	Sat	770 770 770 000	CW	(AB)
M12	12-10	2120	6794	Sat	770 770 770 000	CW	(AB)
M12	13-10	2310	12217	Sun	254 254 254 1 536 72 536 72 77864 71702 10275 ... 53690 60688 21077 000 000	CW	(RL)
M12	13-10	2310	12217	Sun	254 254 254 1 536 72 536 72 77864 71702 10275 ... 53690 60688 21077 000 000	CW	(RL)
M12	13-10	2330	11517	Sun	254 254 254 1 536 72 536 72 77864 71702 10275 ... 53690 60688 21077 000 000	CW	(RL)
M12	13-10	2330	11517	Sun	254 254 254 1 536 72 536 72 77864 71702 10275 ... 53690 60688 21077 000 000	CW	(RL)
M12	13-10	2350	10417	Sun	254 254 254 1 536 72 536 72 77864 71702 10275 ... 53690 60688 21077 000 000	CW	(RL)
M12	13-10	2350	10417	Sun	254 254 254 1 536 72 536 72 77864 71702 10275 ... 53690 60688 21077 000 000	CW	(RL)
M12	14-10	2000	10318	Mon	178 178 178 000	CW	(AB/RL)

M12	14-10	2020	9218	Mon	178 178 178 000	CW	(AB/RL)
M12	15-10	1100	11519	Tue	289 289 289 1 3248 63 3248 63 80706 07755 98339 ... 05549 79592 10364 000 000	CW	(AB)
M12	15-10	1120	12194	Tue	289 289 289 1 3248 63 3248 63 80706 07755 98339 ... 05549 79592 10364 000 000	CW	(AB)
M12	15-10	1140	13407	Tue	289 289 289 1 3248 63 3248 63 80706 07755 98339 ... 05549 79592 10364 000 000	CW	(AB)
M12	16-10	1900	11135	Wed	122 122 122 000	CW	(AB)
M12	16-10	1920	10235	Wed	122 122 122 000	CW	(AB)
M12	16-10	2310	12217	Wed	254 254 254 1 4036 49 4036 49 47479 57716 29781 ... 38516 90581 08417 000 000	CW	(AB/RL)
M12	16-10	2330	11517	Wed	254 254 254 1 4036 49 4036 49 47479 57716 29781 ... 38516 90581 08417 000 000	CW	(AB/RL)
M12	16-10	2350	10417	Wed	254 254 254 1 4036 49 4036 49 47479 57716 29781 ... 38516 90581 08417 000 000	CW	(AB/RL)
M12	17-10	1800	11435	Thu	938 938 938 1 7650 84 7650 84 79412 21814 81506 ... 94028 33154 12456 000 000	CW	(AB)
M12	17-10	1820	10598	Thu	938 938 938 1 7650 84 7650 84 79412 21814 81506 ... 94028 33154 12456 000 000	CW	(AB)
M12	17-10	1840	9327	Thu	938 938 938 1 7650 84 7650 84 79412 21814 81506 ... 94028 33154 12456 000 000	CW	(AB)
M12	17-10	2000	10318	Thu	178 178 178 000	CW	(AB/RL)
M12	17-10	2020	9218	Thu	178 178 178 000	CW	(AB/RL)
M12	18-10	1900	11135	Fri	122 122 122 000	CW	(AB)
M12	18-10	1920	10235	Fri	122 122 122 000	CW	(AB)
M12	18-10	2100	5794	Fri	770 770 770 000	CW	(AB)
M12	18-10	2120	6794	Fri	770 770 770 000	CW	(AB/RL)
M12	19-10	2100	5794	Sat	770 770 770 000	CW	(AB)
M12	19-10	2120	6794	Sat	770 770 770 000	CW	(AB)
M12	20-10	2310	10417	Sun	254 254 254 1 4036 49 4036 49 47479 57716 29781 ... 38516 90581 08417 000 000	CW	(RL)
M12	20-10	2310	11517	Sun	254 254 254 1 4036 49 4036 49 47479 57716 29781 ... 38516 90581 08417 000 000	CW	(RL)
M12	20-10	2310	12217	Sun	254 254 254 1 4036 49 4036 49 47479 57716 29781 ... 38516 90581 08417 000 000	CW	(RL)
M12	21-10	0010	17429	Mon	429 429 429 1 8939 139 8939 139 26899 91478 72883 ... 80805 36419 00439 000 000	CW	(RL)
M12	21-10	2000	10318	Mon	178 178 178 1 2087 33 2087 33 33792 23253 40512 ... 78031 08406 43593 000 000	CW	(AB)
M12	21-10	2020	9218	Mon	178 178 178 1 2087 33 2087 33 33792 23253 40512 ... 78031 08406 43593 000 000	CW	(AB)
M12	21-10	2040	8118	Mon	178 178 178 1 2087 33 2087 33 33792 23253 40512 ... 78031 08406 43593 000 000	CW	(AB)
M12	22-10	1100	11519	Tue	289 289 289 1 5268 64 5268 64 91526 00535 07011 ... 86098 47477 23246 000 000	CW	(AB)
M12	22-10	1120	12194	Tue	289 289 289 1 5268 64 5268 64 91526 00535 07011 ... 86098 47477 23246 000 000	CW	(AB)
M12	22-10	1140	13407	Tue	289 289 289 1 5268 64 5268 64 91526 00535 07011 ... 86098 47477 23246 000 000	CW	(AB)
M12	23-10	1900	11135	Wed	122 122 122 1 2672 85 2672 85 07877 35482 67340 ... 43272 11018 96719 000 000	CW	(AB)
M12	23-10	1900	11135	Wed	122 122 122 1 2672 85 2672 85 07877 35482 67340 ... 43272 11018 96719 000 000	CW	(AB)
M12	23-10	1920	9235	Wed	122 122 122 1 2672 85 2672 85 07877 35482 67340 ... 43272 11018 96719 000 000	CW	(AB)
M12	23-10	1920	9235	Wed	122 122 122 1 2672 85 2672 85 07877 35482 67340 ... 43272 11018 96719 000 000	CW	(AB)
M12	23-10	1920	10235	Wed	122 122 122 1 2672 85 2672 85 07877 35482 67340 ... 43272 11018 96719 000 000	CW	(AB)
M12	23-10	1920	10235	Wed	122 122 122 1 2672 85 2672 85 07877 35482 67340 ... 43272 11018 96719 000 000	CW	(AB)
M12	23-10	2310	12217	Wed	254 254 254 1 4692 64 4692 64 46070 57063 14376 ... 32826 74791 32004 000 000	CW	(RL)
M12	23-10	2330	11517	Wed	254 254 254 1 4692 64 4692 64 46070 57063 14376 ... 32826 74791 32004 000 000	CW	(RL)
M12	23-10	2350	10417	Wed	254 254 254 1 4692 64 4692 64 46070 57063 14376 ... 32826 74791 32004 000 000	CW	(RL)
M12	24-10	1800	11435	Thu	938 938 938 1 5948 80 5948 80 82725 42169 94816 ... 27836 12570 19572 000 000	CW	(AB)
M12	24-10	1820	10598	Thu	938 938 938 1 5948 80 5948 80 82725 42169 94816 ... 27836 12570 19572 000 000	CW	(AB)
M12	24-10	1840	9327	Thu	938 938 938 1 5948 80 5948 80 82725 42169 94816 ... 27836 12570 19572 000 000	CW	(AB)

<b>M12</b>	24-10	2000	10318	Thu	178 178 178 1 2087 33 2087 33 33792 23253 40512 ... 78031 08406 43593 000 000	CW	(AB)
<b>M12</b>	24-10	2020	9218	Thu	178 178 178 1 2087 33 2087 33 33792 23253 40512 ... 78031 08406 43593 000 000	CW	(AB)
<b>M12</b>	24-10	2040	8118	Thu	178 178 178 1 2087 33 2087 33 33792 23253 40512 ... 78031 08406 43593 000 000	CW	(AB)
<b>M12</b>	25-10	2100	5794	Fri	770 770 770 000	CW	(AB)
<b>M12</b>	25-10	2120	6794	Fri	770 770 770 000	CW	(AB)
<b>M12</b>	26-10	2100	5794	Sat	770 770 770 000	CW	(AB)
<b>M12</b>	26-10	2120	6794	Sat	770 770 770 000	CW	(AB)
<b>M12</b>	28-10	2000	10318	Mon	178 178 178 000	CW	(AB)
<b>M12</b>	28-10	2020	9218	Mon	178 178 178 000	CW	(AB)
<b>M12</b>	29-10	1100	11519	Tue	289 289 289 1 2861 58 2861 58 99670 96564 30356 ... 38941 43541 48750 000 000	CW	(AB)
<b>M12</b>	29-10	1120	12194	Tue	289 289 289 1 2861 58 2861 58 99670 96564 30356 ... 38941 43541 48750 000 000	CW	(AB)
<b>M12</b>	29-10	1140	13407	Tue	289 289 289 1 2861 58 2861 58 99670 96564 30356 ... 38941 43541 48750 000 000	CW	(AB)
<b>M12</b>	30-10	1900	11135	Wed	122 122 122 1 2672 85 2672 85 07877 35482 67340 ... 43272 11018 96719 000 000	CW	(AB)
<b>M12</b>	30-10	1920	9235	Wed	122 122 122 1 2672 85 2672 85 07877 35482 67340 ... 43272 11018 96719 000 000	CW	(AB)
<b>M12</b>	30-10	1920	10235	Wed	122 122 122 1 2672 85 2672 85 07877 35482 67340 ... 43272 11018 96719 000 000	CW	(AB)
<b>M12</b>	30-10	2310	12217	Wed	254 254 254 1 354 127 354 127 77404 39864 85782 ... 52896 50745 99709 000 000	CW	(RL)
<b>M12</b>	30-10	2330	11517	Wed	254 254 254 1 354 127 354 127 77404 39864 85782 ... 52896 50745 99709 000 000	CW	(RL)
<b>M12</b>	30-10	2350	10417	Wed	254 254 254 1 354 127 354 127 77404 39864 85782 ... 52896 50745 99709 000 000	CW	(RL)
<b>M12</b>	31-10	1800	11435	Thu	938 938 938 1 7508 82 7508 82 99525 40666 75666 ... 90598 88109 60425 000 000	CW	(AB)
<b>M12</b>	31-10	1820	10598	Thu	938 938 938 1 7508 82 7508 82 99525 40666 75666 ... 90598 88109 60425 000 000	CW	(AB)
<b>M12</b>	31-10	1840	9327	Thu	938 938 938 1 7508 82 7508 82 99525 40666 75666 ... 90598 88109 60425 000 000	CW	(AB)
<b>M12</b>	31-10	2000	10318	Thu	178 178 178 000	CW	(AB/RL)
<b>M12</b>	31-10	2020	9218	Thu	178 178 178 000	CW	(AB/RL)
<b>M14</b>	1-10	0500	12221	Tue	952 106 106 53 53 = = 45499 42935 10172 ... 17187 95266 45362 = = 106 106 53 53 00000	CW	(AB-J)
<b>M14</b>	1-10	0520	10243	Tue	952 (R4m), 3 mins silence, 952 106 106 53 53 = = 45499 42935 10172 ... 17187 95266 45362 = = 106 106 53 53 00000	CW	(AB-J)
<b>M14</b>	2-10	0500	12221	Wed	952 348 348 27 27 = = 80802 23055 90738 ... 09811 16913 46482 = = 348 348 27 27 952 610 610 31 31 = = 67898 12431 99379 ... 84886 61580 04932 = = 610 610 31 31 00000	CW	(AB-J)
<b>M14</b>	2-10	0520	10243	Wed	952 348 348 27 27 = = 80802 23055 90738 ... 09811 16913 46482 = = 348 348 27 27 952 610 610 31 31 = = 67898 12431 99379 ... 84886 61580 04932 = = 610 610 31 31 00000	CW	(AB-J)
<b>M14</b>	3-10	0500	12221	Thu	952 348 348 27 27 = = 80802 23055 90738 ... 09811 16913 46482 = = 348 348 27 27 952 610 610 31 31 = = 67898 12431 99379 ... 84886 61580 04932 = = 610 610 31 31 00000	CW	(AB-J)
<b>M14</b>	3-10	0520	10243	Thu	952 348 348 27 27 = = 80802 23055 90738 ... 09811 16913 46482 = = 348 348 27 27 952 610 610 31 31 = = 67898 12431 99379 ... 84886 61580 04932 = = 610 610 31 31 00000	CW	(AB-J)
<b>M14</b>	4-10	0500	12221	Fri	952 952 952 00000	CW	(AB-RUS)
<b>M14</b>	4-10	0520	10243	Fri	952 952 952 00000	CW	(AB-RUS)
<b>M14</b>	7-10	0500	12211	Mon	952 834 834 52 52 = = 13055 04286 96413 ... 41899 07698 03008 = = 834 834 52 52 00000	CW	(AB-J)
<b>M14</b>	7-10	0520	10243	Mon	952 834 834 52 52 = = 13055 04286 96413 ... 41899 07698 03008 = = 834 834 52 52 00000	CW	(AB-J)

<b>M14</b>	8-10	0500	12211	Tue	952 834 834 52 52 = = 13055 04286 96413 ... 41899 07698 03008 = = 834 834 52 52 00000	CW	(AB-J)
<b>M14</b>	8-10	0520	10243	Tue	952 834 834 52 52 = = 13055 04286 96413 ... 41899 07698 03008 = = 834 834 52 52 00000	CW	(AB-J)
<b>M14</b>	9-10	0500	12221	Wed	952 167 167 52 52 = = 17786 30781 99662 ... 67928 53777 16218 = = 167 167 52 52 00000	CW	(AB-J)
<b>M14</b>	9-10	0520	10243	Wed	952 167 167 52 52 = = 17786 30781 99662 ... 67928 53777 16218 = = 167 167 52 52 00000	CW	(AB-J)
<b>M14</b>	10-10	0500	12221	Thu	952 167 167 52 52 = = 17786 30781 99662 ... 67928 53777 16218 = = 167 167 52 52 00000	CW	(AB-J)
<b>M14</b>	10-10	0520	10243	Thu	952 (R), off at 0422z, back after 39sec, off at 0523z	FSK CW	(AB-J)
<b>M14</b>	10-10	0930	17458	Thu	617 617 617 00000	CW	(HFD)
<b>M14</b>	11-10	0500	12221	Fri	952 952 952 00000	CW	(AB-J)
<b>M14</b>	11-10	0520	10243	Fri	952 952 952 00000	CW	(AB-J)
<b>M14</b>	13-10	1440	10755	Sun	975 328 328 60 60 = = 45167 04273 64526 ... 13880 52300 41261 = = 328 328 60 60 00000	CW	(AB)
<b>M14</b>	14-10	0500	12211	Mon	952 304 304 51 51 = = 80175 85436 74910 ... 77350 13426 63321 = = 304 304 51 51 00000	CW	(AB-J)
<b>M14</b>	14-10	0520	10243	Mon	952 304 304 51 51 = = 80175 85436 74910 ... 77350 13426 63321 = = 304 304 51 51 00000	CW	(AB-J)
<b>M14</b>	15-10	0500	12211	Tue	952 304 304 51 51 = = 80175 85436 74910 ... 77350 13426 63321 = = 304 304 51 51 00000 On and off, switching between CW and FSK CW. Normal after 0503z	CW	(AB-J)
<b>M14</b>	15-10	0520	10243	Tue	952 304 304 51 51 = = 80175 85436 74910 ... 77350 13426 63321 = = 304 304 51 51 00000 On and off, switching between CW and FSK CW. Normal after 0523z	CW	(AB-J)
<b>M14</b>	16-10	0500	12221	Wed	not monitored	CW	(AB-J)
<b>M14</b>	16-10	0520	10243	Wed	952 643 643 29 29 = = 53956 66363 86878 ... 72985 09521 46370 = = 643 643 29 29 952 718 718 26 26 = = 48690 63664 66175 ... 71146 14821 94723 = = 718 718 26 26 00000	CW	(AB-J)
<b>M14</b>	17-10	0500	12221	Thu	952 718 718 26 26 = = 48690 63664 66175 ... 71146 14821 94723 = = 718 718 26 26 952 643 643 29 29 = = 53956 66363 86878 ... 72985 09521 46370 = = 643 643 29 29 00000	CW	(AB-J)
<b>M14</b>	17-10	0520	10243	Thu	952 718 718 26 26 = = 48690 63664 66175 ... 71146 14821 94723 = = 718 718 26 26 952 643 643 29 29 = = 53956 66363 86878 ... 72985 09521 46370 = = 643 643 29 29 00000	CW	(AB-J)
<b>M14</b>	17-10	1555	10755	Thu	975 284 284 60 60 = = 11249 34395 27229 ... 45435 87376 47329 = = 284 284 60 60 00000	CW	(AB)
<b>M14</b>	18-10	0500	12221	Fri	952 952 952 00000	CW	(AB-J)
<b>M14</b>	18-10	0520	10243	Fri	952 952 952 00000	CW	(AB-J)
<b>M14</b>	21-10	0500	12211	Mon	952 (2m31s), 56s silence = 68978 24765 85142 ... 38244 43886 27739 off	CW	(AB-J)
<b>M14</b>	21-10	0520	10243	Mon	952 178 178 52 52 = = 68978 24765 85142 ... 55132 56405 17740 = = 178 178 52 52 00000	CW	(AB-J)
<b>M14</b>	22-10	0500	12211	Tue	952 178 178 52 52 = = 68978 24765 85142 ... 55132 56405 17740 = = 178 178 52 52 00000	CW	(AB-J)
<b>M14</b>	22-10	0520	10243	Tue	952 178 178 52 52 = = 68978 24765 85142 ... 55132 56405 17740 = = 178 178 52 52 00000	CW	(AB-J)

<b>M14</b>	23-10	0500	12221	Wed	952 751 751 26 26 = = 28598 10872 69675 ... 64641 30669 69620 = = 751 751 26 26 952 417 417 30 30 = = 16991 34287 17724 ... 74669 63030 36889 = = 417 417 30 30 00000	CW	(AB-J)
<b>M14</b>	23-10	0520	10243	Wed	952 751 751 26 26 = = 28598 10872 69675 ... 64641 30669 69620 = = 751 751 26 26 952 417 417 30 30 = = 16991 34287 17724 ... 74669 63030 36889 = = 417 417 30 30 00000 off after 1m55s, back at 0525z	CW	(AB-J)
<b>M14</b>	24-10	0500	12221	Thu	952 630 630 28 28 = = 72758 94600 83350 ... 60882 65153 94912 = = 630 630 28 28 952 417 417 30 30 = = 16991 34287 17724 ... 74669 63030 36889 = = 417 417 30 30 00000	CW	(AB-J)
<b>M14</b>	24-10	0520	10243	Thu	952 630 630 28 28 = = 72758 94600 83350 ... 60882 65153 94912 = = 630 630 28 28 952 417 417 30 30 = = 16991 34287 17724 ... 74669 63030 36889 = = 417 417 30 30 00000	CW	(AB-J)
<b>M14</b>	25-10	0500	12221	Fri	952 952 952 00000	CW	(AB-J)
<b>M14</b>	25-10	0520	10243	Fri	952 952 952 00000	CW	(AB-J)
<b>M14</b>	25-10	0930	17458	Fri	617 617 617 00000	CW	(AB)
<b>M14</b>	28-10	0500	12211	Mon	952 860 860 57 57 = = 78040 55386 84055 ... 30534 74751 01142 = = 860 860 57 57 00000	CW	(Subilio)
<b>M14</b>	28-10	0520	10243	Mon	952 860 860 57 57 = = 78040 55386 84055 ... 30534 74751 01142 = = 860 860 57 57 00000	CW	(Subilio)
<b>M14</b>	29-10	0500	12211	Tue	952 860 860 57 57 = = 78040 55386 84055 ... 30534 74751 01142 = = 860 860 57 57 00000	CW	(Subilio)
<b>M14</b>	29-10	0520	10243	Tue	952 860 860 57 57 = = 78040 55386 84055 ... 30534 74751 01142 = = 860 860 57 57 00000	CW	(Subilio)
<b>M14</b>	30-10	0500	12211	Wed	952 108 108 34 34 = = 07928 83938 44018 ... 74555 75820 64405 = = 108 108 34 34 952 374 374 25 25 = = 67973 70079 32514 ... 10291 88738 67076 = = 374 374 25 25 00000	CW	(Subilio)
<b>M14</b>	30-10	0520	10243	Wed	952 108 108 34 34 = = 07928 83938 44018 ... 74555 75820 64405 = = 108 108 34 34 952 374 374 25 25 = = 67973 70079 32514 ... 10291 88738 67076 = = 374 374 25 25 00000	CW	(Subilio)
<b>M14</b>	31-10	0500	12211	Thu	952 374 374 25 25 = = 67973 70079 32514 ... 10291 88738 67076 = = 374 374 25 25 952 108 108 34 34 = = 07928 83938 44018 ... 74555 75820 64405 = = 108 108 34 34 00000	CW	(Subilio)
<b>M14</b>	31-10	0520	10243	Thu	952 374 374 25 25 = = 67973 70079 32514 ... 10291 88738 67076 = = 374 374 25 25 952 108 108 34 34 = = 07928 83938 44018 ... 74555 75820 64405 = = 108 108 34 34 00000	CW	(Subilio)
<b>M21</b>	23-10	1610	5887	Wed	=991910??8???? =991911??8???? =991911??8???? =991913??8????	CW	(F5JBR)
<b>M21</b>	25-10	1528	4171	Fri	=991828??8???? =12868550359328 =991829??8????	CW	(F5JBR)
<b>M21</b>	25-10	1528	5887	Fri	=991828??8?>??? =12868550359328 =991829??8????	CW	(F5JBR)
<b>M21</b>	25-10	1631	9144	Fri	=991931??9???? =991933??9???? =991935??9????	CW	(F5JBR)
<b>M21</b>	25-10	1649	5052.5	Fri	=99?1949?9???? =99?1952?9???? =99?1955?9????	CW	(F5JBR)
<b>M21</b>	25-10	2057	5887	Fri	=992359??8???? =990000??8???? =990001??8????	CW	(AB)
<b>M23</b>	1-10	0907	10916	Tue	55550 05550 05500 55005 50505 (R)	CW	(Pof)
<b>M23</b>	3-10	0900	10916	Thu	50505 55550 05550 05500 55005 off after 17m14s	CW	(AB)
<b>M23</b>	3-10	1500	10916	Thu	15081769 (R 15m44s)	CW	(AB)
<b>M23</b>	4-10	0900	10916	Fri	50505 55550 05550 05500 55005 (R). Off after 17m14s	CW	(AB)
<b>M23</b>	4-10	1500	10916	Fri	15081769 (R 15m44s)	CW	(AB)
<b>M23</b>	5-10	0900	10916	Sat	50505 55550 05550 05500 55005 (R17m)	CW	(AB)
<b>M23</b>	5-10	1500	10916	Sat	15081769 (R 15m44s)	CW	(AB)
<b>M23</b>	5-10	1959	10916	Sat	Hourly tone	CW	(AB)

M23	5-10	2159	10916	Sat	Hourly tone	CW	(AB)
M23	6-10	0159	10916	Sun	Hourly tone	CW	(AB)
M23	6-10	0459	10916	Sun	Hourly tone	CW	(AB)
M23	6-10	1359	10916	Sun	Hourly tone	CW	(AB)
M23	7-10	0059	10196	Mon	Hourly tone	CW	(AB)
M23	7-10	0859	10196	Mon	Hourly tone	CW	(AB)
M23	8-10	0459	10916	Tue	Hourly tone	CW	(AB)
M23	8-10	0859	10916	Tue	50505 55550 05550 05500 55005 (R 18m16s)	CW	(AB)
M23	8-10	1359	10916	Tue	Hourly tone	CW	(AB)
M23	9-10	0559	10196	Wed	Hourly tone	CW	(AB)
M23	9-10	0759	10196	Wed	Hourly tone	CW	(AB)
M23	9-10	0859	10196	Wed	Hourly tone	CW	(AB)
M23	9-10	0900	10916	Wed	50505 55550 05550 05500 55005 (R 18m16s)	CW	(AB)
M23	10-10	0900	10916	Thu	50505 55550 05550 05500 55005 (R 18m26s)	CW	(AB)
M23	12-10	0859	10916	Sat	Hourly tone	CW	(AB)
M23	12-10	0900	10916	Sat	50505 55550 05550 05500 55005 (R18m)	CW	(AB)
M23	13-10	0859	10916	Sun	Hourly tone	CW	(AB)
M23	13-10	0900	10916	Sun	50505 55550 05550 05500 55005 (R18m24s)	CW	(AB)
M23	14-10	0359	6937	Mon	15081769 (R15m48s)	CW	(TM)
M23	14-10	0759	10196	Mon	Hourly tone	CW	(AB)
M23	14-10	0857	10916	Mon	Hourly tone	CW	(AB)
M23	14-10	0900	10916	Mon	50505 55550 05550 05500 55005 (R18m20s)	CW	(AB)
M23	14-10	1159	14930	Mon	15081769 (R 15m57s)	CW	(AB)
M23	14-10	2259	4822	Mon	50505 55550 05550 05500 55005 (R17m)	CW	(TM)
M23	15-10	0359	6937	Tue	15081769 (R15m48s)	CW	(TM)
M23	15-10	0857	10916	Tue	Hourly tone	CW	(AB)
M23	15-10	0859	10916	Tue	50505 55550 05550 05500 55005 (R 18m21s)	CW	(AB)
M23	15-10	1159	14930	Tue	15081769 (R 15m51s)	CW	(AB)
M23	16-10	0359	6937	Wed	15081769 (R15m44s)	CW	(TM)
M23	16-10	0859	10916	Wed	50505 55550 05550 05500 55005 (R18m21s)	CW	(AB)
M23	16-10	1159	14930	Wed	15081769 (R 15m51s)	CW	(AB)
M23	17-10	0359	6937	Thu	15081769 (R15m49s)	CW	(TM)
M23	17-10	0859	10916	Thu	50505 55550 05550 05500 55005 (R 18m20s)	CW	(AB)
M23	17-10	1159	14930	Thu	15081769 (R 15m51s)	CW	(AB)
M23	17-10	1359	10916	Thu	Hourly tone	CW	(AB)
M23	17-10	1359	14930	Thu	Hourly tone	CW	(AB)
M23	17-10	1459	10916	Thu	Hourly tone	CW	(AB)
M23	17-10	1459	14930	Thu	Hourly tone	CW	(AB)
M23	17-10	1459	14930	Thu	Hourly tone	CW	(AB)
M23	17-10	1559	10916	Thu	Hourly tone	CW	(AB)
M23	17-10	1659	10916	Thu	Hourly tone	CW	(AB)
M23	17-10	1659	14930	Thu	Hourly tone	CW	(AB)



<b>M23</b>	17-10	2303	4822	Thu	505 and a part of a 4th digit then off	CW	(TM)
<b>M23</b>	18-10	0359	6937	Fri	15081769 (R15m48s)	CW	(AB)
<b>M23</b>	18-10	0857	10916	Fri	Hourly tone	CW	(AB)
<b>M23</b>	18-10	0859	10916	Fri	50505 55550 05550 05500 55005 (R18m20s)	CW	(AB)
<b>M23</b>	18-10	1157	14930	Fri	Hourly tone	CW	(AB)
<b>M23</b>	18-10	1159	14930	Fri	15081769 (R15m51s)	CW	(AB)
<b>M23</b>	18-10	2259	4822	Fri	50505 55550 05550 05500 55005 (R17m)	CW	(Priyom)
<b>M23</b>	19-10	0359	6937	Sat	15081769 (R15m47s)	CW	(AB)
<b>M23</b>	19-10	0859	10916	Sat	50505 55550 05550 05500 55005 (R18m23s)	CW	(AB)
<b>M23</b>	19-10	1159	14930	Sat	15081769 (R15m48s)	CW	(AB)
<b>M23</b>	20-10	0357	6937	Sun	Hourly tone	CW	(AB)
<b>M23</b>	20-10	0359	6937	Sun	15081769 (R15m47s)	CW	(AB)
<b>M23</b>	20-10	0859	10916	Sun	50505 55550 05550 05500 55005 (R18m24s)	CW	(AB)
<b>M23</b>	20-10	1159	14930	Sun	15081769 (R15m49s)	CW	(AB)
<b>M23</b>	21-10	0359	6937	Mon	15081769 (R15m47s)	CW	(AB)
<b>M23</b>	21-10	0856	10916	Mon	Hourly tone	CW	(AB)
<b>M23</b>	21-10	0859	10916	Mon	50505 55550 05550 05500 55005 (R18m20s)	CW	(AB)
<b>M23</b>	21-10	1159	14930	Mon	15081769 (R15m52s)	CW	(AB)
<b>M23</b>	22-10	0359	6937	Tue	15081769 (R15m49s)	CW	(AB)
<b>M23</b>	22-10	0859	10916	Tue	50505 55550 05550 05500 55005 (R18m22s)	CW	(AB)
<b>M23</b>	22-10	1159	14930	Tue	15081769 (R15m48s)	CW	(AB)
<b>M23</b>	22-10	2259	4822	Tue	50505 55550 05550 05500 55005 (R17m)	CW	(AB)
<b>M23</b>	23-10	0359	6937	Wed	15081769 (R15m50s)	CW	(AB)
<b>M23</b>	23-10	0856	10916	Wed	Hourly tone	CW	(AB)
<b>M23</b>	23-10	0859	10916	Wed	50505 55550 05550 05500 55005 (R18m23s)	CW	(AB)
<b>M23</b>	23-10	0959	10916	Wed	Hourly tone	CW	(AB)
<b>M23</b>	23-10	1059	6937	Wed	Hourly tone	CW	(AB)
<b>M23</b>	23-10	1059	10916	Wed	Hourly tone	CW	(AB)
<b>M23</b>	23-10	1059	14930	Wed	Hourly tone	CW	(AB)
<b>M23</b>	23-10	1156	14930	Wed	Hourly tone	CW	(AB)
<b>M23</b>	23-10	1159	14930	Wed	15081769 (R15m48s)	CW	(AB)
<b>M23</b>	23-10	2259	4822	Wed	50505 55550 05550 05500 55005 (R17m)	CW	(AB/TJ)
<b>M23</b>	24-10	0359	6937	Thu	15081769 (R15m51s)	CW	(AB/TJ)
<b>M23</b>	24-10	0659	4822	Thu	Hourly tone	CW	(AB)
<b>M23</b>	24-10	0659	6937	Thu	Hourly tone	CW	(AB)
<b>M23</b>	24-10	0659	10916	Thu	Hourly tone	CW	(AB)
<b>M23</b>	24-10	0659	14930	Thu	Hourly tone	CW	(AB)
<b>M23</b>	24-10	0859	10916	Thu	50505 55550 05550 05500 55005 (R18m15s)	CW	(AB)
<b>M23</b>	24-10	1159	14930	Thu	15081769 (R15m58s)	CW	(AB)
<b>M23</b>	25-10	0359	6937	Fri	15081769 (R15m44s)	CW	(AB/TJ)
<b>M23</b>	25-10	0859	10916	Fri	50505 55550 05550 05500 55005 (R18m16s)	CW	(AB)
<b>M23</b>	25-10	1159	14930	Fri	15081769 (R15m44s)	CW	(AB)

<b>M23</b>	26-10	0359	6937	Sat	15081769 (R15m40s)	CW	(AB)
<b>M23</b>	26-10	0859	10916	Sat	50505 55550 05550 05500 55005 (R18m15s)	CW	(AB)
<b>M23</b>	26-10	1159	14930	Sat	15081769 (R15m50s)	CW	(AB)
<b>M23</b>	27-10	0359	6937	Sun	15081769 (R15m47s)	CW	(AB)
<b>M23</b>	27-10	0859	10916	Sun	50505 55550 05550 05500 55005 (R18m24s)	CW	(AB/F5JBR)
<b>M23</b>	27-10	1159	14930	Sun	15081769 (R15m44s)	CW	(AB)
<b>M23</b>	27-10	2259	4822	Sun	50505 55550 05550 05500 55005 (R17m)	CW	(TM)
<b>M23</b>	28-10	0359	6937	Mon	15081769 (R15m47s)	CW	(AB)
<b>M23</b>	28-10	0859	10916	Mon	50505 55550 05550 05500 55005 (R18m20s)	CW	(AB)
<b>M23</b>	28-10	1159	14930	Mon	15081769 (R15m52s)	CW	(AB)
<b>M23</b>	28-10	2259	4822	Mon	50505 55550 05550 05500 55005 (R17m)	CW	(TM)
<b>M23</b>	29-10	0359	6937	Tue	15081769 (R15m49s)	CW	(AB)
<b>M23</b>	29-10	0859	10916	Tue	50505 55550 05550 05500 55005 (R18m15s)	CW	(AB)
<b>M23</b>	29-10	1159	14930	Tue	15081769 (R15m51s)	CW	(AB)
<b>M23</b>	30-10	0359	6937	Wed	15081769 (R15m43s)	CW	(AB)
<b>M23</b>	30-10	0859	10916	Wed	50505 55550 05550 05500 55005 (R18m16s)	CW	(AB)
<b>M23</b>	30-10	1159	14930	Wed	15081769 (R15m51s)	CW	(AB)
<b>M23</b>	30-10	2259	4822	Wed	Pre txm tone at 2257z. Silence till 2302z: 05 50505 555, 3s silence, 5 (higher pitch), 16s silence, 3 dashes. Nothing else	CW	(AB)
<b>M23</b>	31-10	0359	6937	Thu	15081769 (R15m44s)	CW	(AB)
<b>M23</b>	31-10	0859	10916	Thu	50505 55550 05550 05500 55005 (R18m15s)	CW	(AB)
<b>M23</b>	31-10	1159	14930	Thu	15081769 (R15m43s)	CW	(AB)
<b>M32</b>	9-10	1814	4521	Wed	O9 KLEN 0830 3202 GLAVKA 0084 1326 K	CW	(AB)
<b>M32</b>	9-10	1830	4521	Wed	XXX XXX A8CA A8CA 13576 TUTOLAG 3039 9266 WEKsHA 0481 5251 BOGOBAZ 2446 6003 LUGOPUTX 6941 5330 K	CW	(AB)
<b>M32</b>	10-10	0921	13174	Thu	OGN3 DE W29B QTC ZFR K W29B 220 34 10 12 18 220 = ZFR 222 = 76937 47805 29551 ... 73239 20741 10030 276 K	CW	(AB)
<b>M32</b>	10-10	1132	13174	Thu	E6J8 E6J8 E6J8 QTC ZSO AR E6J8 E6J8 E6J8 104 34 10 1429 104 = ZSO 222 = IEQOB HLXOZ OYaQRH ... K	CW	(AB)
<b>M32</b>	10-10	1137	13174	Thu	OGNR DE W29B K QTC ZZI K W29B 980 34 10 1432 980 = ZZI 222 = 91722 28129 17710 ... 05195 13563 10030 276 K	CW	(AB)
<b>M32</b>	10-10	1142	13174	Thu	ONY3 DE W29B K QTC ZLN K W29B 671 34 10 1437 671 K ZLN 222 = 71115 33129 71228 ... 91141 66948 10030 276 K	CW	(AB)
<b>M32</b>	10-10	1335	13174	Thu	ONYV DE W29B QTC ZYF K W29B 171 34 10 16 31 171 = ZYF 222 = 29775 77841 05116 ... 79789 57964 10030 276 K	CW	(AB)
<b>M32a</b>	9-10	1832	8345	Wed	RIW DE RCRQ QSA ? K (Russian Navy ship Yauza clg RIW: Moscow)	CW	(AB)
<b>M32a</b>	9-10	1838	8345	Wed	RIW DE RCRQ QSA ? K	CW	(AB)
<b>M32a</b>	9-10	1851	8345	Wed	RIW DE RCRQ QSA ? K	CW	(AB)
<b>M32a</b>	9-10	1855	8345	Wed	VVV RIT DE RCRQ QSA ? K (Yauza clg RIT: Severomorsk)	CW	(AB)
<b>M32c</b>	9-10	1840	4521	Wed	REA4 REA4 = 09170 99900 08152 2222 90497 71402 10001 21014 70122 87500 912 = REA4 K	CW	(AB)



<b>M41d</b>	22-10	1200	10755	Tue	975 40132 826 826 43 43 = = 52106 02989 74786 ... 46352 17334 24155 = = 826 826 43 43 00000	CW	(PY)
<b>M42</b>	1-10	0837	13424	Tue	Russian diplo	MFSK-66	(RO)
<b>M42</b>	1-10	0848	11550	Tue	Russian diplo	MFSK-66	(AB)
<b>M42</b>	1-10	0850	11552	Tue	Russian diplo	MFSK-66	(RO)
<b>M42</b>	2-10	0825	19245	Wed	Russian Diplo	OFDM-121	(RL)
<b>M42</b>	3-10	0729	14474	Thu	Russian diplo. Selcal	Serdolik v2	(AB/RO)
<b>M42</b>	3-10	0731	14474	Thu	Russian diplo. Selcal	Serdolik v2	(AB)
<b>M42</b>	3-10	0734	18585	Thu	Russian diplo	Serdolik v2	(AB/RO)
<b>M42</b>	3-10	0741	14474	Thu	Russian diplo. Selcal	Serdolik v2	(AB)
<b>M42</b>	3-10	0744	18585	Thu	Russian diplo	Serdolik v2	(AB/RO)
<b>M42</b>	3-10	0751	17519	Thu	Russian diplo	Serdolik v2	(AB/RO)
<b>M42</b>	3-10	1315	16313	Thu	Russian diplo	Serdolik v2	(RO)
<b>M42</b>	4-10	0750	19274	Fri	Russian Diplo	OFDM-121	(RL)
<b>M42</b>	4-10	0830	14570	Fri	Russian diplo	MFSK-66	(AB/RO)
<b>M42</b>	4-10	0900	16216	Fri	Russian diplo	MFSK-66	(AB)
<b>M42</b>	4-10	1020	19478.5	Fri	Russian diplo	Serdolik v2	(RL)
<b>M42</b>	7-10	0746	11072	Mon	Russian diplo. Selcal	Serdolik v2	(RO)
<b>M42</b>	7-10	0746	12148	Mon	Russian diplo	MFSK-66	(RO)
<b>M42</b>	8-10	0746	11072	Tue	Russian diplo. Selcal	Serdolik v2	(AB)
<b>M42</b>	8-10	0803	11072	Tue	Russian diplo	Serdolik v2	(AB)
<b>M42</b>	9-10	0758	11154	Wed	Russian diplo	Serdolik v2	(AB)
<b>M42</b>	10-10	0810	16062	Thu	Russian diplo	Serdolik v2	(RO)
<b>M42</b>	11-10	0838	12177	Fri	Russian diplo	MFSK-66	(RO)
<b>M42</b>	14-10	0806	17468	Mon	Russian diplo	Serdolik v2	(RO)
<b>M42</b>	14-10	0807	17466	Mon	Russian diplo	Serdolik v2	(RO)
<b>M42</b>	14-10	0820	17466	Mon	Russian diplo	Serdolik v2	(RO)
<b>M42</b>	14-10	0930	19274	Mon	Russian Diplo	Serdolik v2	(RL)
<b>M42</b>	16-10	1101	14442	Wed	Russian diplo	Serdolik v2	(RO)
<b>M42</b>	16-10	1300	19305	Wed	Russian Diplo	OFDM-112	(RL)
<b>M42</b>	17-10	0744	17519	Thu	Russian diplo	Serdolik v2	(RO)
<b>M42</b>	18-10	1014	18324	Fri	Russian diplo. Selcal	Serdolik v2	(AB)
<b>M42</b>	18-10	1017	18324	Fri	Russian diplo. Selcal	Serdolik v2	(AB)
<b>M42</b>	18-10	1020	18324	Fri	Russian diplo. Selcal	Serdolik v2	(AB)
<b>M42</b>	21-10	0651	13451	Mon	Russian diplo	MFSK-66	(AB)
<b>M42</b>	21-10	0737	14930	Mon	Russian diplo	MFSK-66	(AB)
<b>M42</b>	22-10	0752	13420	Tue	Russian diplo	Serdolik v2	(RO)
<b>M42</b>	23-10	0823	11153	Wed	Russian diplo	Serdolik v2	(Moon)
<b>M42</b>	24-10	1550	19030	Thu	Russian Diplo	OFDM-121	(RL)
<b>M42</b>	24-10	1555	19036	Thu	Russian Diplo	OFDM-121	(RL)
<b>M42</b>	25-10	0820	9357	Fri	Russian diplo	MFSK-66	(AB)
<b>M42</b>	28-10	0924	14686	Mon	Russian diplo	Serdolik v2	(AB)

<b>M42</b>	28-10	0924	14688	Mon	Russian diplo. Test	Serdolik v2	(AB)
<b>M42</b>	28-10	0944	14686	Mon	Russian diplo	Serdolik v2	(AB)
<b>M42b</b>	27-10	1710	5868	Sun	KEVT KEVT KEVT DE ZUDG ZUDG K. Header: 575 100 27 1700 1357 =	CW + FSK 50/500	(AB)
<b>M42b</b>	27-10	1710	6996	Sun	ZUDG ZUDG ZUDG DE KEVT KEVT K. Header: 241 100 27 1705 2536 =	CW + FSK 50/500	(AB)
<b>M42b</b>	28-10	1710	5868	Mon	KEVT KEVT KEVT DE ZUDG ZUDG K. Header: 577 100 28 1700 1357= 0	CW + FSK 50/500	(AB)
<b>M42b</b>	28-10	1710	6996	Mon	ZUDG ZUDG ZUDG DE KEVT KEVT K. Header: 164 100 28 1655 8426 =	CW + FSK 50/500	(AB)
<b>M42b</b>	29-10	1710	5868	Tue	KEVT KEVY KEVT DE ZUDG ZUDG K. Header: 579 100 29 1700 1357 =	CW + FSK 50/140	(AB/F5JBR)
<b>M42b</b>	29-10	1710	6996	Tue	ZUDG ZUDG ZUDG DE KEVT KEVT K. Header: 591 100 29 1700 9584 =	CW + FSK 50/500	(AB/F5JBR)
<b>M42b</b>	30-10	1710	5868	Wed	KEVT KEVT KEVT DE ZUDG ZUDG K. Header: 581 100 30 1700 1357 =	CW + FSK 50/500	(AB)
<b>M42b</b>	30-10	1710	6996	Wed	ZUDG ZUDG ZUDG DE KEVT KEVT K (switched to unid freq)	CW + FSK 50/500	(AB)
<b>M42b</b>	31-10	1710	5868	Thu	KEVT KEVT KEVT DE ZUDG ZUDG K. Header: 583 100 031 1700 1357 =	CW + FSK 50/500	(AB)
<b>M42b</b>	31-10	1710	6996	Thu	ZUDG ZUDG ZUDG DE KEVT KEVT K. Header: 669 100 31 1705 2468 =	CW + FSK 50/500	(AB)
<b>M51a</b>	26-10	0700	3881	Sat	VVV DE FAV22 QLH 3881/6825 KHZ SAMEDI LECON NUMERO /1 VITESSE 420 CODE and SAMEDI LECON NUMERO /1 VITESSE 420 CLAIR CQ DE FAV22 VA //6825 kHz	CW	(AB)
<b>M51a</b>	26-10	0700	6825	Sat	VVV DE FAV22 QLH 3881/6825 KHZ SAMEDI LECON NUMERO /1 VITESSE 420 CODE and SAMEDI LECON NUMERO /1 VITESSE 420 CLAIR CQ DE FAV22 VA //3881 kHz	CW	(AB)
<b>M51b</b>	9-10	1540	6825	Wed	Non-stop 5 character groups composed of M51a messages	CW	(AB)
<b>M51b</b>	26-10	0626	3881	Sat	Non-stop 5 character groups composed of M51a messages //6825 kHz	CW	(AB)
<b>M51b</b>	26-10	0626	6825	Sat	Non-stop 5 character groups composed of M51a messages //3881 kHz	CW	(AB)
<b>M89</b>	23-10	1442	10922	Wed	V YHXD de SAQC	CW	(F5JBR)
<b>M89</b>	29-10	1220	14373	Tue	VV C2R5 C2R5 DE 479M 479M HR MSG HR MSG GA MSG NR 149 / CCK CK 6T 51 1T29 2T2T RMKS 479M TO C2R5 = 4T6U D4AT 5U4A ... 57D3 AU43 65D6 AR	CW	(AB)
<b>P03</b>	1-10	0635	26756	Tue	Polish intel.	PSK	(AB)
<b>P03</b>	1-10	0640	26756	Tue	Polish intel.	PSK	(AB)
<b>P03</b>	1-10	1100	11581	Tue	Polish intel.	PSK	(AB)
<b>P03</b>	1-10	1105	11581	Tue	Polish intel.	PSK	(AB)
<b>P03</b>	1-10	1500	10800	Tue	Polish intel.	PSK	(AB)
<b>P03</b>	1-10	1505	10800	Tue	Polish intel.	PSK	(AB)
<b>P03</b>	1-10	1725	11420	Tue	Polish intel.	PSK	(AB)
<b>P03</b>	1-10	1730	11420	Tue	Polish intel.	PSK	(AB)
<b>P03</b>	2-10	1030	13046	Wed	Polish intel.	PSK	(AB)
<b>P03</b>	2-10	1035	13046	Wed	Polish intel.	PSK	(AB)
<b>P03</b>	2-10	1100	11581	Wed	Polish intel.	PSK	(AB)
<b>P03</b>	2-10	1105	11581	Wed	Polish intel.	PSK	(AB)
<b>P03</b>	2-10	1310	7637	Wed	Polish intel.	PSK	(AB)
<b>P03</b>	2-10	1315	7637	Wed	Polish intel.	PSK	(AB)
<b>P03</b>	3-10	0635	26756	Thu	Polish intel.	PSK	(AB)
<b>P03</b>	3-10	0640	26756	Thu	Polish intel.	PSK	(AB)
<b>P03</b>	4-10	0530	8800	Fri	Polish intel.	PSK	(AB)
<b>P03</b>	4-10	0535	8800	Fri	Polish intel.	PSK	(AB)
<b>P03</b>	4-10	1100	7637	Fri	Polish intel.	PSK	(AB)
<b>P03</b>	4-10	1105	7637	Fri	Polish intel.	PSK	(AB)

P03	4-10	1500	10800	Fri	Polish intel.	PSK	(AB)
P03	4-10	1505	10800	Fri	Polish intel.	PSK	(AB)
P03	5-10	1020	6280	Sat	Polish intel.	PSK	(AB)
P03	5-10	1025	6280	Sat	Polish intel.	PSK	(AB)
P03	5-10	1245	6940	Sat	Polish intel.	PSK	(AB)
P03	5-10	1250	6940	Sat	Polish intel.	PSK	(AB)
P03	5-10	1310	7637	Sat	Polish intel.	PSK	(AB)
P03	5-10	1315	7637	Sat	Polish intel.	PSK	(AB)
P03	6-10	0530	8800	Sun	Polish intel.	PSK	(AB)
P03	6-10	0535	8800	Sun	Polish intel.	PSK	(AB)
P03	6-10	1020	6280	Sun	Polish intel.	PSK	(AB)
P03	6-10	1025	6280	Sun	Polish intel.	PSK	(AB)
P03	6-10	1100	7637	Sun	Polish intel.	PSK	(AB)
P03	6-10	1105	7637	Sun	Polish intel.	PSK	(AB)
P03	6-10	1220	19515	Sun	Polish intel.	PSK	(AB)
P03	6-10	1225	19515	Sun	Polish intel.	PSK	(AB)
P03	6-10	1245	6940	Sun	Polish intel.	PSK	(AB)
P03	6-10	1250	6940	Sun	Polish intel.	PSK	(AB)
P03	6-10	1515	18030	Sun	Polish intel.	PSK	(AB)
P03	6-10	1520	18030	Sun	Polish intel.	PSK	(AB)
P03	6-10	1725	11420	Sun	Polish intel.	PSK	(AB)
P03	6-10	1730	11420	Sun	Polish intel.	PSK	(AB)
P03	6-10	1950	7391	Sun	Polish intel.	PSK	(AB)
P03	6-10	1955	7391	Sun	Polish intel.	PSK	(AB)
P03	7-10	1030	13046	Mon	Polish intel.	PSK	(AB)
P03	7-10	1035	13046	Mon	Polish intel.	PSK	(AB)
P03	7-10	1200	8545	Mon	Polish intel.	PSK	(AB)
P03	7-10	1205	8545	Mon	Polish intel.	PSK	(AB)
P03	7-10	1220	19515	Mon	Polish intel.	PSK	(AB)
P03	7-10	1225	19515	Mon	Polish intel.	PSK	(AB)
P03	8-10	0635	26756	Tue	Polish intel.	PSK	(AB-POL)
P03	8-10	0640	26756	Tue	Polish intel.	PSK	(AB-POL)
P03	8-10	1500	10800	Tue	Polish intel.	PSK	(AB)
P03	8-10	1505	10800	Tue	Polish intel.	PSK	(AB)
P03	8-10	1725	11420	Tue	Polish intel.	PSK	(AB)
P03	8-10	1725	11420	Tue	Polish intel.	PSK	(AB)
P03	8-10	1730	11420	Tue	Polish intel.	PSK	(AB)
P03	8-10	1730	11420	Tue	Polish intel.	PSK	(AB)
P03	9-10	1030	13046	Wed	Polish intel.	PSK	(AB)
P03	9-10	1035	13046	Wed	Polish intel.	PSK	(AB)
P03	9-10	1100	11581	Wed	Polish intel.	PSK	(AB)
P03	9-10	1105	11581	Wed	Polish intel.	PSK	(AB)

P03	9-10	1310	7637	Wed	Polish intel.	PSK	(AB)
P03	9-10	1315	7637	Wed	Polish intel.	PSK	(AB)
P03	10-10	0635	26756	Thu	Polish intel.	PSK	(AB)
P03	10-10	0640	26756	Thu	Polish intel.	PSK	(AB)
P03	10-10	1950	7391	Thu	Polish intel.	PSK	(AB)
P03	10-10	1955	7391	Thu	Polish intel.	PSK	(AB)
P03	11-10	0530	8800	Fri	Polish intel.	PSK	(AB)
P03	11-10	0535	8800	Fri	Polish intel.	PSK	(AB)
P03	11-10	1100	7637	Fri	Polish intel.	PSK	(AB)
P03	11-10	1105	7637	Fri	Polish intel.	PSK	(AB)
P03	11-10	1500	10800	Fri	Polish intel.	PSK	(AB)
P03	11-10	1505	10800	Fri	Polish intel.	PSK	(AB)
P03	11-10	1515	18030	Fri	Polish intel.	PSK	(AB)
P03	11-10	1520	18030	Fri	Polish intel.	PSK	(AB)
P03	12-10	1020	6280	Sat	Polish intel.	PSK	(AB)
P03	12-10	1025	6280	Sat	Polish intel.	PSK	(AB)
P03	12-10	1245	6940	Sat	Polish intel.	PSK	(AB)
P03	12-10	1250	6940	Sat	Polish intel.	PSK	(AB)
P03	12-10	1310	7637	Sat	Polish intel.	PSK	(AB)
P03	12-10	1315	7637	Sat	Polish intel.	PSK	(AB)
P03	13-10	0530	8800	Sun	Polish intel.	PSK	(AB)
P03	13-10	0535	8800	Sun	Polish intel.	PSK	(AB)
P03	13-10	1020	6280	Sun	Polish intel.	PSK	(AB)
P03	13-10	1025	6280	Sun	Polish intel.	PSK	(AB)
P03	13-10	1100	7637	Sun	Polish intel.	PSK	(AB)
P03	13-10	1105	7637	Sun	Polish intel.	PSK	(AB)
P03	13-10	1220	19515	Sun	Polish intel.	PSK	(AB)
P03	13-10	1225	19515	Sun	Polish intel.	PSK	(AB)
P03	13-10	1245	6940	Sun	Polish intel.	PSK	(AB)
P03	13-10	1250	6940	Sun	Polish intel.	PSK	(AB)
P03	13-10	1515	18030	Sun	Polish intel.	PSK	(AB)
P03	13-10	1520	18030	Sun	Polish intel.	PSK	(AB)
P03	13-10	1725	11420	Sun	Polish intel.	PSK	(AB)
P03	13-10	1730	11420	Sun	Polish intel.	PSK	(AB)
P03	13-10	1950	7391	Sun	Polish intel.	PSK	(AB)
P03	13-10	1955	7391	Sun	Polish intel.	PSK	(AB)
P03	14-10	1030	13046	Mon	Polish intel.	PSK	(AB)
P03	14-10	1035	13046	Mon	Polish intel.	PSK	(AB)
P03	14-10	1200	8545	Mon	Polish intel.	PSK	(AB)
P03	14-10	1205	8545	Mon	Polish intel.	PSK	(AB)
P03	14-10	1220	19515	Mon	Polish intel.	PSK	(AB)
P03	14-10	1225	19515	Mon	Polish intel.	PSK	(AB)

P03	15-10	0635	26756	Tue	Polish intel.	PSK	(AB)
P03	15-10	0640	26756	Tue	Polish intel.	PSK	(AB)
P03	15-10	1100	11581	Tue	Polish intel.	PSK	(AB)
P03	15-10	1105	11581	Tue	Polish intel.	PSK	(AB)
P03	15-10	1500	10800	Tue	Polish intel.	PSK	(AB)
P03	15-10	1505	10800	Tue	Polish intel.	PSK	(AB)
P03	16-10	1030	13046	Wed	Polish intel.	PSK	(AB)
P03	16-10	1035	13046	Wed	Polish intel.	PSK	(AB)
P03	16-10	1100	11581	Wed	Polish intel.	PSK	(AB)
P03	16-10	1105	11581	Wed	Polish intel.	PSK	(AB)
P03	16-10	1310	7637	Wed	Polish intel.	PSK	(AB)
P03	16-10	1315	7637	Wed	Polish intel.	PSK	(AB)
P03	17-10	0635	26756	Thu	Polish intel.	PSK	(AB)
P03	17-10	0640	26756	Thu	Polish intel.	PSK	(AB)
P03	17-10	1950	7391	Thu	Polish intel.	PSK	(AB)
P03	17-10	1955	7391	Thu	Polish intel.	PSK	(AB)
P03	18-10	0530	8800	Fri	Polish intel.	PSK	(AB)
P03	18-10	0535	8800	Fri	Polish intel.	PSK	(AB)
P03	18-10	1100	7637	Fri	Polish intel.	PSK	(AB)
P03	18-10	1105	7637	Fri	Polish intel.	PSK	(AB)
P03	18-10	1500	10800	Fri	Polish intel.	PSK	(AB)
P03	18-10	1505	10800	Fri	Polish intel.	PSK	(AB)
P03	18-10	1515	18030	Fri	Polish intel.	PSK	(AB)
P03	18-10	1520	18030	Fri	Polish intel.	PSK	(AB)
P03	19-10	1020	6280	Sat	Polish intel.	PSK	(AB)
P03	19-10	1025	6280	Sat	Polish intel.	PSK	(AB)
P03	19-10	1245	6940	Sat	Polish intel.	PSK	(AB)
P03	19-10	1250	6940	Sat	Polish intel.	PSK	(AB)
P03	19-10	1310	7637	Sat	Polish intel.	PSK	(AB)
P03	19-10	1315	7637	Sat	Polish intel.	PSK	(AB)
P03	20-10	0530	8800	Sun	Polish intel.	PSK	(AB)
P03	20-10	0535	8800	Sun	Polish intel.	PSK	(AB)
P03	20-10	1020	6280	Sun	Polish intel.	PSK	(AB)
P03	20-10	1025	6280	Sun	Polish intel.	PSK	(AB)
P03	20-10	1100	7637	Sun	Polish intel.	PSK	(AB)
P03	20-10	1105	7637	Sun	Polish intel.	PSK	(AB)
P03	20-10	1220	19515	Sun	Polish intel.	PSK	(AB)
P03	20-10	1225	19515	Sun	Polish intel.	PSK	(AB)
P03	20-10	1245	6940	Sun	Polish intel.	PSK	(AB)
P03	20-10	1250	6940	Sun	Polish intel.	PSK	(AB)
P03	20-10	1515	18030	Sun	Polish intel.	PSK	(AB)
P03	20-10	1520	18030	Sun	Polish intel.	PSK	(AB)

P03	20-10	1725	11420	Sun	Polish intel.	PSK	(AB)
P03	20-10	1730	11420	Sun	Polish intel.	PSK	(AB)
P03	20-10	1950	7391	Sun	Polish intel.	PSK	(AB)
P03	20-10	1955	7391	Sun	Polish intel.	PSK	(AB)
P03	21-10	1030	13046	Mon	Polish intel.	PSK	(AB)
P03	21-10	1035	13046	Mon	Polish intel.	PSK	(AB)
P03	21-10	1200	8545	Mon	Polish intel.	PSK	(AB)
P03	21-10	1205	8545	Mon	Polish intel.	PSK	(AB)
P03	21-10	1220	19515	Mon	Polish intel.	PSK	(AB)
P03	21-10	1225	19515	Mon	Polish intel.	PSK	(AB)
P03	22-10	0635	26756	Tue	Polish intel.	PSK	(AB)
P03	22-10	0640	26756	Tue	Polish intel.	PSK	(AB)
P03	22-10	1100	11581	Tue	Polish intel.	PSK	(AB)
P03	22-10	1105	11581	Tue	Polish intel.	PSK	(AB)
P03	22-10	1500	10800	Tue	Polish intel.	PSK	(AB)
P03	22-10	1505	10800	Tue	Polish intel.	PSK	(AB)
P03	22-10	1725	11420	Tue	Polish intel.	PSK	(AB)
P03	22-10	1730	11420	Tue	Polish intel.	PSK	(AB)
P03	23-10	1030	13046	Wed	Polish intel.	PSK	(AB)
P03	23-10	1035	13046	Wed	Polish intel.	PSK	(AB)
P03	23-10	1100	11581	Wed	Polish intel.	PSK	(AB)
P03	23-10	1105	11581	Wed	Polish intel.	PSK	(AB)
P03	23-10	1310	7637	Wed	Polish intel.	PSK	(AB)
P03	23-10	1315	7637	Wed	Polish intel.	PSK	(AB)
P03	24-10	0635	26756	Thu	Polish intel.	PSK	(AB)
P03	24-10	0640	26756	Thu	Polish intel.	PSK	(AB)
P03	24-10	1950	7391	Thu	Polish intel.	PSK	(AB)
P03	24-10	1955	7391	Thu	Polish intel.	PSK	(AB)
P03	25-10	0530	8800	Fri	Polish intel.	PSK	(AB)
P03	25-10	0535	8800	Fri	Polish intel.	PSK	(AB)
P03	25-10	1100	7637	Fri	Polish intel.	PSK	(AB)
P03	25-10	1105	7637	Fri	Polish intel.	PSK	(AB)
P03	25-10	1500	10800	Fri	Polish intel.	PSK	(AB)
P03	25-10	1505	10800	Fri	Polish intel.	PSK	(AB)
P03	25-10	1515	18030	Fri	Polish intel.	PSK	(AB)
P03	25-10	1520	18030	Fri	Polish intel.	PSK	(AB)
P03	26-10	1020	6280	Sat	Polish intel.	PSK	(AB)
P03	26-10	1025	6280	Sat	Polish intel.	PSK	(AB)
P03	26-10	1245	6940	Sat	Polish intel.	PSK	(AB)
P03	26-10	1250	6940	Sat	Polish intel.	PSK	(AB)
P03	26-10	1310	7637	Sat	Polish intel.	PSK	(AB)
P03	26-10	1315	7637	Sat	Polish intel.	PSK	(AB)

P03	27-10	0530	8800	Sun	Polish intel.	PSK	(AB)
P03	27-10	0535	8800	Sun	Polish intel.	PSK	(AB)
P03	27-10	1020	6280	Sun	Polish intel.	PSK	(AB)
P03	27-10	1025	6280	Sun	Polish intel.	PSK	(AB)
P03	27-10	1100	7637	Sun	Polish intel.	PSK	(AB)
P03	27-10	1105	7637	Sun	Polish intel.	PSK	(AB)
P03	27-10	1220	19515	Sun	Polish intel.	PSK	(AB)
P03	27-10	1225	19515	Sun	Polish intel.	PSK	(AB)
P03	27-10	1245	6940	Sun	Polish intel.	PSK	(AB)
P03	27-10	1250	6940	Sun	Polish intel.	PSK	(AB)
P03	27-10	1515	18030	Sun	Polish intel.	PSK	(AB)
P03	27-10	1520	18030	Sun	Polish intel.	PSK	(AB)
P03	27-10	1725	11420	Sun	Polish intel.	PSK	(AB)
P03	27-10	1730	11420	Sun	Polish intel.	PSK	(AB)
P03	27-10	1950	7391	Sun	Polish intel.	PSK	(AB)
P03	27-10	1955	7391	Sun	Polish intel.	PSK	(AB)
P03	28-10	1030	13046	Mon	Polish intel.	PSK	(AB)
P03	28-10	1035	13046	Mon	Polish intel.	PSK	(AB)
P03	28-10	1200	8545	Mon	Polish intel.	PSK	(AB)
P03	28-10	1205	8545	Mon	Polish intel.	PSK	(AB)
P03	28-10	1220	19515	Mon	Polish intel.	PSK	(AB)
P03	28-10	1225	19515	Mon	Polish intel.	PSK	(AB)
P03	29-10	0635	26756	Tue	Polish intel.	PSK	(AB)
P03	29-10	0640	26756	Tue	Polish intel.	PSK	(AB)
P03	29-10	1100	11581	Tue	Polish intel.	PSK	(AB)
P03	29-10	1105	11581	Tue	Polish intel.	PSK	(AB)
P03	29-10	1500	10800	Tue	Polish intel.	PSK	(AB)
P03	29-10	1505	10800	Tue	Polish intel.	PSK	(AB)
P03	29-10	1725	11420	Tue	Polish intel.	PSK	(AB)
P03	29-10	1730	11420	Tue	Polish intel.	PSK	(AB)
P03	30-10	1030	13046	Wed	Polish intel.	PSK	(AB)
P03	30-10	1035	13046	Wed	Polish intel.	PSK	(AB)
P03	30-10	1100	11581	Wed	Polish intel.	PSK	(AB)
P03	30-10	1105	11581	Wed	Polish intel.	PSK	(AB)
P03	30-10	1310	7637	Wed	Polish intel.	PSK	(AB)
P03	30-10	1315	7637	Wed	Polish intel.	PSK	(AB)
P03	31-10	0635	26756	Thu	Polish intel.	PSK	(AB)
P03	31-10	0640	26756	Thu	Polish intel.	PSK	(AB)
P03	31-10	1950	7391	Thu	Polish intel.	PSK	(AB)
P03	31-10	1955	7391	Thu	Polish intel.	PSK	(AB)
P03g	1-10	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	1-10	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)



P03g	3-10	1800	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	3-10	1805	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	8-10	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	8-10	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	10-10	1800	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	10-10	1805	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	15-10	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	15-10	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	17-10	1800	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	17-10	1805	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	22-10	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	22-10	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	24-10	1800	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	24-10	1805	7840	Thu	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	29-10	1800	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03g	29-10	1805	7840	Tue	Polish intel.	BPSK 50Bd/464bp	(AB)
P03i	1-10	0430	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	1-10	0435	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	3-10	0430	10210	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	3-10	0435	10210	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	8-10	0430	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	8-10	0435	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	10-10	0430	10210	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	10-10	0435	10210	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	15-10	0430	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	15-10	0435	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	17-10	0430	10210	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	17-10	0435	10210	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	22-10	0430	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	22-10	0435	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	24-10	0430	10210	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	24-10	0435	10210	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	29-10	0430	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	29-10	0435	10210	Tue	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	31-10	0430	10210	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03i	31-10	0435	10210	Thu	Polish intel.	BPSK 100Bd/512bp	(AB)
P03k	1-10	1230	17535	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	1-10	1235	17535	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-10	1730	9968	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	2-10	1735	9968	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5-10	0630	6891	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5-10	0635	6891	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)



P03k	5-10	1230	17535	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5-10	1235	17535	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5-10	1730	9968	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	5-10	1735	9968	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6-10	0630	6891	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	6-10	0635	6891	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-10	1230	17535	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	8-10	1235	17535	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-10	1730	9968	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	9-10	1735	9968	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-10	0630	6891	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-10	0635	6891	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-10	1230	17535	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-10	1235	17535	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-10	1730	9968	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	12-10	1735	9968	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13-10	0630	6891	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	13-10	0635	6891	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-10	1230	17535	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	15-10	1235	17535	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-10	1730	9968	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	16-10	1735	9968	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-10	0630	6891	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-10	0635	6891	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-10	1230	17535	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-10	1235	17535	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-10	1730	9968	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	19-10	1735	9968	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	20-10	0630	6891	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	20-10	0635	6891	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-10	1230	17535	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	22-10	1235	17535	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-10	1730	9968	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	23-10	1735	9968	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-10	0630	6891	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-10	0635	6891	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-10	1230	17535	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-10	1235	17535	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-10	1730	9968	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	26-10	1735	9968	Sat	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	27-10	0630	6891	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	27-10	0635	6891	Sun	Polish intel.	BPSK 100Bd/480bp	(AB)

P03k	29-10	1230	17535	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	29-10	1235	17535	Tue	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-10	1730	9968	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03k	30-10	1735	9968	Wed	Polish intel.	BPSK 100Bd/480bp	(AB)
P03I	2-10	1345	9960	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	2-10	1350	9960	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	3-10	1200	8545	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	3-10	1205	8545	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	4-10	1345	9960	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	4-10	1350	9960	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9-10	1345	9960	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	9-10	1350	9960	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	10-10	1200	8545	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	10-10	1205	8545	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	11-10	1345	9960	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	11-10	1350	9960	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	16-10	1345	9960	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	16-10	1350	9960	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	17-10	1200	8545	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	17-10	1205	8545	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	18-10	1345	9960	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	18-10	1350	9960	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	23-10	1345	9960	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	23-10	1350	9960	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	24-10	1200	8545	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	24-10	1205	8545	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	25-10	1345	9960	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	25-10	1350	9960	Fri	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	30-10	1345	9960	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	30-10	1350	9960	Wed	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	31-10	1200	8545	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P03I	31-10	1205	8545	Thu	Polish intel.	QPSK 100Bd/464bp	(AB)
P07	2-10	1400	10396	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	2-10	1410	10159	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	2-10	1420	9044	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	2-10	1430	8154	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	2-10	1440	7534	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	2-10	1450	6856	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	6-10	1400	10396	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	6-10	1410	10159	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	6-10	1420	9044	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
P07	6-10	1430	8154	Sun	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)



<b>P07</b>	30-10	1440	7534	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
<b>P07</b>	30-10	1450	6856	Wed	Russian intel.	8xQSPK/62.5Bd/125Hz+250Bd BPSK	(AB)
<b>Q26</b>	5-10	1025	12763	Sat	21II---NI0 1213 0152 3041 ... 7682 6977 8819 MSG AGN	4+4 QPSK 75/3000 LSB	(EW)
<b>Q26</b>	6-10	0525	19029	Sun	XYXYXYXY HR MSG GA ZQJZ ZQJZ ZQJZ DE DFW6 DFW6 DFW6 XYXYXYXYXY HR MSG GA 2285á499á24á1004á1916 3402---2A3I ...	4+4 QPSK 75/3000 LSB	(EW)
<b>Q26</b>	29-10	1405	14373	Tue	SGH3 SGH3 SGH3 DE M5CU M5CU M5CU 3812 3501 1545 ... 6780 0968 2792 QSL? HR WK NR 114 /:QSL? QSL? QSL?	4+4 QPSK 75/1000 LSB	(AB)
<b>S06</b>	6-9	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
<b>S06</b>	6-9	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
<b>S06</b>	11-9	0400	11616	Wed	480 275 27 95196 68541 14196 ... 59137 60287 82533 275 27 480 391 28 91285 00283 58752 ... 39081 91004 99332 391 28 00000	USB	(Subilo)
<b>S06</b>	11-9	0420	9322	Wed	480 275 27 95196 68541 14196 ... 59137 60287 82533 275 27 480 391 28 91285 00283 58752 ... 39081 91004 99332 391 28 00000	USB	(Subilo)
<b>S06</b>	12-9	0400	11616	Thu	480 275 27 95196 68541 14196 ... 59137 60287 82533 275 27 480 391 28 91285 00283 58752 ... 39081 91004 99332 391 28 00000	USB	(Subilo)
<b>S06</b>	12-9	0420	9322	Thu	480 275 27 95196 68541 14196 ... 59137 60287 82533 275 27 480 391 28 91285 00283 58752 ... 39081 91004 99332 391 28 00000	USB	(Subilo)
<b>S06</b>	13-9	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
<b>S06</b>	13-9	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
<b>S06</b>	16-9	0400	11616	Mon	480 752 51 74658 42804 13086 ... 31612 92580 20222 752 51 00000	USB	(Subilo)
<b>S06</b>	16-9	0420	9322	Mon	480 752 51 74658 42804 13086 ... 31612 92580 20222 752 51 00000	USB	(Subilo)
<b>S06</b>	17-9	0400	11616	Tue	480 752 51 74658 42804 13086 ... 31612 92580 20222 752 51 00000	USB	(Subilo)
<b>S06</b>	17-9	0420	9322	Tue	480 752 51 74658 42804 13086 ... 31612 92580 20222 752 51 00000	USB	(Subilo)
<b>S06</b>	18-9	0400	11616	Wed	480 619 23 35563 92735 18882 ... 95319 15018 95743 619 23 480 375 28 91863 81186 98203 ... 89362 21714 09695 375 28 00000	USB	(Subilo)
<b>S06</b>	18-9	0420	9322	Wed	480 619 23 35563 92735 18882 ... 95319 15018 95743 619 23 480 375 28 91863 81186 98203 ... 89362 21714 09695 375 28 00000	USB	(Subilo)
<b>S06</b>	19-9	0400	11616	Thu	480 619 23 35563 92735 18882 ... 95319 15018 95743 619 23 480 375 28 91863 81186 98203 ... 89362 21714 09695 375 28 00000	USB	(Subilo)
<b>S06</b>	19-9	0420	9322	Thu	480 619 23 35563 92735 18882 ... 95319 15018 95743 619 23 480 375 28 91863 81186 98203 ... 89362 21714 09695 375 28 00000	USB	(Subilo)
<b>S06</b>	20-9	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
<b>S06</b>	20-9	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
<b>S06</b>	23-9	0400	11616	Mon	480 261 53 45399 23709 76404 ... 54124 29532 03165 261 53 00000	USB	(Subilo)
<b>S06</b>	23-9	0420	9322	Mon	480 261 53 45399 23709 76404 ... 54124 29532 03165 261 53 00000	USB	(Subilo)
<b>S06</b>	24-9	0400	11616	Tue	480 261 53 45399 23709 76404 ... 54124 29532 03165 261 53 00000	USB	(Subilo)
<b>S06</b>	24-9	0420	9322	Tue	480 261 53 45399 23709 76404 ... 54124 29532 03165 261 53 00000	USB	(Subilo)
<b>S06</b>	25-9	0400	11616	Wed	480 269 31 61491 33393 22967 ... 85527 67814 78101 269 31 480 735 22 91863 81186 98203 ... 96636 48192 70703 735 22 00000 (sent 23 groups)	USB	(Subilo)
<b>S06</b>	25-9	0420	9322	Wed	480 269 31 61491 33393 22967 ... 85527 67814 78101 269 31 480 735 22 91863 81186 98203 ... 96636 48192 70703 735 22 00000 (sent 23 groups)	USB	(Subilo)

S06	26-9	0400	11616	Thu	480 269 31 61491 33393 22967 ... 85527 67814 78101 269 31 480 735 22 91863 81186 98203 ... 96636 48192 70703 735 22 00000 (sent 23 groups)	USB	(Subilo)
S06	26-9	0420	9322	Thu	480 269 31 61491 33393 22967 ... 85527 67814 78101 269 31 480 735 22 91863 81186 98203 ... 96636 48192 70703 735 22 00000 (sent 23 groups)	USB	(Subilo)
S06	27-9	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
S06	27-9	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
S06	30-9	0400	11616	Mon	480 513 60 54009 27302 37189 ... 22211 82753 90593 513 60 00000	USB	(Subilo)
S06	30-9	0420	9322	Mon	480 513 60 54009 27302 37189 ... 22211 82753 90593 513 60 00000	USB	(Subilo)
S06	1-10	0400	11616	Tue	480 513 60 54009 27302 37189 ... 22211 82753 90593 513 60 00000	USB	(Subilo)
S06	1-10	0420	9322	Tue	480 513 60 54009 27302 37189 ... 22211 82753 90593 513 60 00000	USB	(Subilo)
S06	2-10	0404	11616	Wed	480 796 25 77630 03638 36902 ... 77220 21077 10851 796 25 480 351 27 57507 43263 40831 ... 17673 00817 54602 351 27 00000	USB	(Subilo/Lac)
S06	2-10	0420	9322	Wed	480 796 25 77630 03638 36902 ... 77220 21077 10851 796 25 480 351 27 57507 43263 40831 ... 17673 00817 54602 351 27 00000	USB	(Subilo/Lac)
S06	3-10	0400	11616	Thu	480 796 25 77630 03638 36902 ... 77220 21077 10851 796 25 480 351 27 57507 43263 40831 ... 17673 00817 54602 351 27 00000	USB	(Subilo)
S06	3-10	0420	9322	Thu	480 796 25 77630 03638 36902 ... 77220 21077 10851 796 25 480 351 27 57507 43263 40831 ... 17673 00817 54602 351 27 00000	USB	(Subilo)
S06	4-10	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
S06	4-10	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
S06	4-10	2000	9925	Fri	842 842 842 00000	USB	(AB/HFD/Lac)
S06	4-10	2100	7505	Fri	842 842 842 00000	USB	(AB/Lac/HFD)
S06	7-10	0400	11616	Mon	480 279 54 89192 07571 09681 ... 45336 78193 08288 279 84 00000	USB	(Subilo)
S06	7-10	0420	9322	Mon	480 279 54 89192 07571 09681 ... 45336 78193 08288 279 84 00000	USB	(Subilo)
S06	8-10	0400	11616	Tue	480 279 54 89192 07571 09681 ... 45336 78193 08288 279 84 00000	USB	(Subilo)
S06	8-10	0420	9322	Tue	480 279 54 89192 07571 09681 ... 45336 78193 08288 279 84 00000	USB	(Subilo)
S06	9-10	0400	11616	Wed	480 631 52 95430 85367 94546 ... 81081 56404 33102 631 52 00000	USB	(Subilo)
S06	9-10	0420	9322	Wed	480 631 52 95430 85367 94546 ... 81081 56404 33102 631 52 00000	USB	(Subilo)
S06	10-10	0400	11616	Thu	480 631 52 95430 85367 94546 ... 81081 56404 33102 631 52 00000	USB	(Subilo)
S06	10-10	0420	9322	Thu	480 631 52 95430 85367 94546 ... 81081 56404 33102 631 52 00000	USB	(Subilo)
S06	11-10	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
S06	11-10	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
S06	14-10	0400	11616	Mon	480 257 60 07510 40728 29014 ... 75493 37923 84009 257 60 00000	USB	(Subilo)
S06	14-10	0420	9322	Mon	480 257 60 07510 40728 29014 ... 75493 37923 84009 257 60 00000	USB	(Subilo)
S06	15-10	0400	11616	Tue	480 257 60 07510 40728 29014 ... 75493 37923 84009 257 60 00000	USB	(Subilo)
S06	15-10	0420	9322	Tue	480 257 60 07510 40728 29014 ... 75493 37923 84009 257 60 00000	USB	(Subilo)
S06	16-10	0400	11616	Wed	480 163 29 49393 20100 84652 ... 23797 00322 06615 163 29 480 926 30 36558 14692 91312 ... 59837 55991 47694 926 30 00000	USB	(Subilo)
S06	16-10	0420	9322	Wed	480 163 29 49393 20100 84652 ... 23797 00322 06615 163 29 480 926 30 36558 14692 91312 ... 59837 55991 47694 926 30 00000	USB	(Subilo)
S06	17-10	0400	11616	Thu	480 163 29 49393 20100 84652 ... 23797 00322 06615 163 29 480 926 30 36558 14692 91312 ... 59837 55991 47694 926 30 00000	USB	(Subilo)

<b>S06</b>	17-10	0420	9322	Thu	480 163 29 49393 20100 84652 ... 23797 00322 06615 163 29 480 926 30 36558 14692 91312 ... 59837 55991 47694 926 30 00000	USB	(Subilo)
<b>S06</b>	18-10	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
<b>S06</b>	18-10	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
<b>S06</b>	18-10	2000	9925	Fri	842 842 842 00000	USB	(AB)
<b>S06</b>	18-10	2100	7505	Fri	842 842 842 00000	USB	(AB)
<b>S06</b>	21-10	0400	11616	Mon	480 715 60 94280 25677 00948 ... 84302 49596 21174 715 60 00000	USB	(Subilo)
<b>S06</b>	21-10	0420	9322	Mon	480 715 60 94280 25677 00948 ... 84302 49596 21174 715 60 00000	USB	(Subilo)
<b>S06</b>	21-10	0920	11073	Mon	352 917 60 62720 20076 29050 ... 40723 32116 80186 917 60 00000	USB	(AB)
<b>S06</b>	22-10	0400	11616	Tue	480 715 60 94280 25677 00948 ... 84302 49596 21174 715 60 00000	USB	(Subilo)
<b>S06</b>	22-10	0420	9322	Tue	480 715 60 94280 25677 00948 ... 84302 49596 21174 715 60 00000	USB	(Subilo)
<b>S06</b>	22-10	1120	9475	Tue	801 463 52 01153 34096 68530 ... 80961 18326 07108 463 52 00000. Several restarts	USB	(PY)
<b>S06</b>	23-10	0400	11616	Wed	480 639 25 22675 63045 23146 ... 79673 75592 10615 83595 639 25 480 751 26 28598 10872 69675 ... 46441 30669 69620 751 26 00000	USB	(Subilo)
<b>S06</b>	23-10	0420	9322	Wed	480 639 25 22675 63045 23146 ... 79673 75592 10615 83595 639 25 480 751 26 28598 10872 69675 ... 46441 30669 69620 751 26 00000	USB	(Subilo)
<b>S06</b>	24-10	0400	11616	Thu	480 639 25 22675 63045 23146 ... 79673 75592 10615 83595 639 25 480 751 26 28598 10872 69675 ... 46441 30669 69620 751 26 00000	USB	(Subilo)
<b>S06</b>	24-10	0420	9322	Thu	480 639 25 22675 63045 23146 ... 79673 75592 10615 83595 639 25 480 751 26 28598 10872 69675 ... 46441 30669 69620 751 26 00000	USB	(Subilo)
<b>S06</b>	25-10	0400	11616	Fri	480 480 480 00000	USB	(Subilo)
<b>S06</b>	25-10	0420	9322	Fri	480 480 480 00000	USB	(Subilo)
<b>S06</b>	28-10	0400	11616	Mon	480 293 56 96603 42384 96894 ... 22128 75430 87040 293 56 00000	USB	(Subilo)
<b>S06</b>	28-10	0420	9322	Mon	480 293 56 96603 42384 96894 ... 22128 75430 87040 293 56 00000	USB	(Subilo)
<b>S06</b>	29-10	0400	11616	Tue	480 293 56 96603 42384 96894 ... 22128 75430 87040 293 56 00000	USB	(Subilo)
<b>S06</b>	29-10	0420	9322	Tue	480 293 56 96603 42384 96894 ... 22128 75430 87040 293 56 00000	USB	(Subilo)
<b>S06</b>	30-10	0400	11616	Wed	480 132 40 68455 04438 36615 ... 95560 53924 25361 132 40 480 675 20 03653 94046 39801 ... 94466 25645 52349 675 20 00000	USB	(Subilo)
<b>S06</b>	30-10	0420	9322	Wed	480 132 40 68455 04438 36615 ... 95560 53924 25361 132 40 480 675 20 03653 94046 39801 ... 94466 25645 52349 675 20 00000	USB	(Subilo)
<b>S06</b>	31-10	0400	11616	Thu	480 132 40 68455 04438 36615 ... 95560 53924 25361 132 40 480 675 20 03653 94046 39801 ... 94466 25645 52349 675 20 00000	USB	(Subilo)
<b>S06</b>	31-10	0420	9322	Thu	480 132 40 68455 04438 36615 ... 95560 53924 25361 132 40 480 675 20 03653 94046 39801 ... 94466 25645 52349 675 20 00000	USB	(Subilo)
<b>S11a</b>	1-10	0445	10728	Tue	794/00 Konets	USB	(AB)
<b>S11a</b>	1-10	1400	11420	Tue	429/00 Konets	USB	(AB/Lac)
<b>S11a</b>	2-10	0510	23004	Wed	650/00 Konets	USB	(AB/Lac)
<b>S11a</b>	2-10	0725	21854	Wed	383/00 Konets	USB	(AB-POL/Lac)
<b>S11a</b>	2-10	1850	10213	Wed	284/35 Vnmaniye 56937 65881 22309 ... 30562 04889 13036 Vnmaniye (msg rptd) Konets	USB	(AB/Lac/Subilo)
<b>S11a</b>	3-10	0445	10728	Thu	790/00 Konets	USB	(AB)
<b>S11a</b>	3-10	0700	8597	Thu	478/00 Konets	USB	(AB/Lac)
<b>S11a</b>	4-10	0725	21854	Fri	381/00 Konets	USB	(AB-POL/Lac)



S11a	4-10	1400	11420	Fri	422/00 Konets	USB	(AB/Lac)
S11a	5-10	0830	6433	Sat	379/00 Konets	USB	(AB)
S11a	5-10	1850	10213	Sat	284/35 Vnimanaye 56937 65881 22309 ... 30562 04889 13036 Vnimanaye (msg rptd) Konets	USB	(AB/Lac/Subilo)
S11a	6-10	0830	6433	Sun	370/00 Konets	USB	(AB)
S11a	7-10	0510	23004	Mon	659/00 Konets	USB	(AB-POL/Lac)
S11a	7-10	0700	8597	Mon	475/00 Konets	USB	(AB/Lac/HFD)
S11a	7-10	0915	6480	Mon	484/00 Konets	USB	(AB-POL/HFD)
S11a	8-10	0445	10728	Tue	790/00 Konets	USB	(AB/HFD)
S11a	8-10	1400	11420	Tue	427/00 Konets	USB	(AB)
S11a	9-10	0510	23004	Wed	650/00 Konets	USB	(AB)
S11a	9-10	0725	21854	Wed	383/00 Konets	USB	(AB-POL)
S11a	9-10	1850	10213	Wed	287/00 Konets	USB	(AB)
S11a	10-10	0445	10728	Thu	799/00 Konets	USB	(AB)
S11a	10-10	0700	8597	Thu	477/00 Konets	USB	(AB)
S11a	11-10	0915	6480	Fri	483/00 Konets	USB	(AB)
S11a	11-10	1400	11420	Fri	421/00 Konets (tentative, barely audible)	USB	(AB)
S11a	12-10	0830	6433	Sat	379/00 Konets	USB	(AB)
S11a	12-10	1850	10213	Sat	280/00 Konets	USB	(AB)
S11a	13-10	0830	6433	Sun	376/00 Konets	USB	(AB)
S11a	14-10	0510	23004	Mon	654/00 Konets	USB	(AB-POL)
S11a	14-10	0700	8597	Mon	479/38 Vnimanaye 84697 26520 14932 ... 71940 09522 75502 Vnimanaye (msg rptd) Konets	USB	(AB/Lac/Subilo)
S11a	14-10	0915	6480	Mon	483/38 Vnimanaye 09011 25797 48846 ... 12785 96318 08255 Vnimanaye (msg rptd) Konets	USB	(AB/Lac/Subilo)
S11a	15-10	0445	10728	Tue	791/32 Vnimanaye 86286 68806 50324 ... 34991 78782 62598 Vnimanaye (msg rptd) Konets	USB	(AB/Subilo)
S11a	15-10	1400	11420	Tue	422/00 Konets	USB	(AB)
S11a	16-10	0725	21854	Wed	389/39 Vnimanaye 48246 42773 46628 ... 39271 36850 76344 Vnimanaye (msg rptd) Konets	USB	(AB/Lac/Subilo)
S11a	16-10	1850	10213	Wed	287/00 Konets	USB	(AB-POL)
S11a	17-10	0445	10728	Thu	791/32 Vnimanaye 86286 68806 50324 ... 34991 78782 62598 Vnimanaye (msg rptd) Konets	USB	(AB)
S11a	17-10	0700	8597	Thu	479/38 Vnimanaye 84697 26520 14932 ... 71940 09522 75502 Vnimanaye (msg rptd) Konets	USB	(AB/Subilo)
S11a	18-10	0725	21854	Fri	389/39 Vnimanaye 48246 42773 46628 ... 39271 36850 76344 Vnimanaye (msg rptd) Konets	USB	(AB/Lac/Subilo)
S11a	18-10	0915	6480	Fri	483/38 Vnimanaye 09011 25797 48846 ... 12785 96318 08255 Vnimanaye (msg rptd) Konets	USB	(AB-POL/Subilo)
S11a	18-10	1400	11420	Fri	427/00 Konets	USB	(AB)
S11a	19-10	0830	6433	Sat	372/31 Vnimanaye 62142 36355 99816 ... 28910 14357 34275 Vnimanaye (msg rptd) Konets	USB	(AB/Subilo)
S11a	19-10	1850	10213	Sat	287/00 Konets	USB	(AB)
S11a	20-10	0830	6433	Sun	372/31 Vnimanaye 62142 36355 99816 ... 28910 14357 34275 Vnimanaye (msg rptd) Konets	USB	(AB/Subilo)
S11a	21-10	0510	23004	Mon	652/37 Vnimanaye 96103 97161 73060 ... 19309 84799 90859 Vnimanaye (messag repeated) Konets	USB	(AB/Lac/Subilo)
S11a	21-10	0700	8597	Mon	475/00 Konets	USB	(AB)
S11a	21-10	0915	6480	Mon	484/00 Konets	USB	(AB-POL)
S11a	22-10	0445	10728	Tue	791/00 Konets	USB	(AB)
S11a	22-10	1400	11420	Tue	424/30 Vnimanaye 47878 57307 03128 ... 19827 60301 85567 Vnimanaye (msg rptd) Konets	USB	(AB/Subilo)
S11a	23-10	0510	23004	Wed	652/37 Vnimanaye 96103 97161 73060 ... 19309 84799 90859 Vnimanaye (messag repeated) Konets	USB	(Subilo)

<b>S11a</b>	23-10	0725	21854	Wed	380/00 Konets	USB	(AB-POL)
<b>S11a</b>	23-10	1850	10213	Wed	288/00 Konets	USB	(AB)
<b>S11a</b>	24-10	0445	10728	Thu	797/00 Konets	USB	(AB)
<b>S11a</b>	24-10	0700	8597	Thu	470/00 Konets	USB	(AB)
<b>S11a</b>	25-10	0725	21854	Fri	384/00 Konets	USB	(AB-POL)
<b>S11a</b>	25-10	0915	6480	Fri	482/00 Konets	USB	(AB-POL)
<b>S11a</b>	25-10	1400	11420	Fri	424/30 Vnmaniye 47878 57307 03128 ... 19827 60301 85567 Vnmaniye (msg rptd) Konets	USB	(AB/Subilo)
<b>S11a</b>	26-10	0830	6433	Sat	370/00 Konets	USB	(AB)
<b>S11a</b>	26-10	1850	10213	Sat	287/00 Konets	USB	(AB)
<b>S11a</b>	27-10	0830	6433	Sun	370/00 Konets	USB	(AB)
<b>S11a</b>	28-10	0700	8597	Mon	471/00 Konets	USB	(AB/Lac)
<b>S11a</b>	28-10	0915	6480	Mon	487/00 Konets	USB	(AB-POL)
<b>S11a</b>	29-10	0445	10728	Tue	790/00 Konets	USB	(AB)
<b>S11a</b>	29-10	1400	11420	Tue	422/00 Konets	USB	(AB)
<b>S11a</b>	30-10	0725	21854	Wed	382/00 Konets	USB	(AB-POL)
<b>S11a</b>	30-10	1850	10213	Wed	281/00 Konets	USB	(AB)
<b>S11a</b>	31-10	0700	8597	Thu	477/00 Konets	USB	(AB)
<b>TUN</b>	14-10	1017	19385	Mon	STAT154: MFA Tunis	Mil-STD-188-141A	(RL)
<b>TUN</b>	14-10	1040	19085	Mon	STAT154: MFA Tunis	Pactor-II	(RL)
<b>TUN</b>	17-10	1028	19255	Thu	STAT154: MFA Tunis	Mil-STD-188-141A	(RL)
<b>UM04</b>	2-9	0700	4735	Mon	VVV VVV PROMRCh = 02 09 = 1000 0940 0970 1080 1470 ... 0800 0830 0870 0990 1370 = AR	CW	(Subilo)
<b>UM04</b>	5-9	0700	4735	Thu	VVV VVV PROMRCh = 05 09 = 1000 0950 0980 1100 1490 ... 0800 0820 0860 0980 1370 = AR	CW	(Subilo)
<b>UM04</b>	6-9	0700	4735	Fri	VVV VVV PROMRCh = 06 09 = 1000 0950 0980 1100 1490 ... 0800 0820 0860 0980 1380 = AR	CW	(Subilo)
<b>UM04</b>	9-9	0700	4735	Mon	VVV VVV PROMRCh = 09 09 = 1000 0970 1000 1120 1530 ... 0800 0830 0870 1000 1400 = AR	CW	(Subilo)
<b>UM04</b>	11-9	0700	4735	Wed	VVV VVV PROMRCh = 11 09 = 1000 0990 1020 1150 1550 ... 0800 0850 0890 1030 1440 = AR	CW	(Subilo)
<b>UM04</b>	14-9	0700	4735	Sat	VVV VVV PROMRCh = 14 09 = 1000 1020 1060 1180 1600 ... 0800 0880 0920 1050 1480 = AR	CW	(Subilo)
<b>UM04</b>	15-9	0700	4735	Sun	VVV VVV PROMRCh = 15 09 = 1000 1030 1060 1190 1620 ... 0800 0880 0920 1050 1480 = AR	CW	(Subilo)
<b>UM04</b>	18-9	0700	4735	Wed	VVV VVV PROMRCh = 18 11 = 1000 1030 1070 1200 1640 ... 0800 0870 0910 1050 1490 = AR	CW	(Subilo)
<b>UM04</b>	20-9	0700	4735	Fri	VVV VVV PROMRCh = 20 09 = 1000 1030 1070 1200 1640 ... 0800 0870 0910 1050 1490 = AR	CW	(Subilo)
<b>UM04</b>	21-9	0700	4735	Sat	VVV VVV PROMRCh = 21 09 = 1000 1040 1080 1210 1660 ... 0800 0870 0910 1060 1500 = AR	CW	(Subilo)
<b>UM04</b>	26-9	0700	4735	Thu	VVV VVV PROMRCh = 26 09 = 1000 1030 1060 1200 1650 ... 0800 0860 0900 1050 1480 = AR	CW	(Subilo)
<b>UM04</b>	27-9	0700	4735	Fri	VVV VVV PROMRCh = 27 09 = 1000 1020 1060 1200 1650 ... 0800 0850 0890 1040 1480 = AR	CW	(Subilo)
<b>UM04</b>	28-9	0700	4735	Sat	VVV VVV PROMRCh = 28 09 = 1000 1020 1060 1200 1650 ... 0800 0840 0890 1030 1470 = AR	CW	(Subilo)
<b>UM04</b>	1-10	0702	4735	Tue	VVV VVV PROMRCh = 0110 = 1000 1010 1050 1190 1640 ... 0800 0830 0870 1020 1450 = AR	CW	(AB-HNG)
<b>UM04</b>	2-10	0700	4735	Wed	VVV VVV PROMRCh = 02 10 = 1000 1010 1050 1190 1640 ... 0800 0830 0870 1020 1460 = AR	CW	(AB-HNG)
<b>UM04</b>	3-10	0700	4735	Thu	VVV VVV PROMRCh = 03 10 = 1000 1020 1060 1200 1660 ... 0800 0840 0880 1020 1460 = AR	CW	(Subilo)
<b>UM04</b>	4-10	0700	4735	Fri	VVV VVV PROMRCh = 04 10 = 1000 1030 1070 1210 1680 ... 0800 0840 0880 1030 1470 = AR	CW	(AB-HNG)
<b>UM04</b>	5-10	0700	4735	Sat	VVV VVV PROMRCh = 05 10 = 1000 1050 1090 1240 1710 ... 0800 0850 0900 1040 1490 = AR	CW	(AB-HNG)
<b>UM04</b>	6-10	0700	4735	Sun	VVV VVV PROMRCh = 06 10 = 1000 1070 1110 1260 1730 ... 0800 0860 0910 1050 1500 = AR	CW	(AB-HNG)
<b>UM04</b>	7-10	0700	4735	Mon	VVV VVV PROMRCh = 07 10 = 1000 1080 1120 1270 1760 ... 0800 0870 0920 1060 1510 = AR	CW	(AB-HNG)
<b>UM04</b>	8-10	0700	4735	Tue	VVV VVV PROMRCh = 08 10 = 1000 1100 1140 1300 1780 ... 0800 0890 0930 1080 1540 = AR	CW	(AB-HNG)
<b>UM04</b>	9-10	0700	4735	Wed	VVV VVV PROMRCh = 09 10 = 1000 1120 1160 1320 1810 ... 0800 0900 0940 1090 1550 = AR	CW	(AB-HNG)



UM04	10-10	0700	4735	Thu	VVV VVV PROMRCh = 10 10 = 1000 1120 1160 1320 1810 ... 0800 0900 0940 1100 1550 = AR	CW	(AB-HNG)
UM04	11-10	0700	4735	Fri	VVV VVV PROMRCh = 11 10 = 1000 1130 1170 1330 1830 ... 0800 0900 0950 1100 1570 = AR	CW	(Subilo)
UM04	12-10	0700	4735	Sat	VVV VVV PROMRCh = 12 10 = 1000 1140 1180 1340 1850 ... 0800 0910 0950 1110 1580 = AR	CW	(AB-HNG)
UM04	13-10	0700	4735	Sun	VVV VVV PROMRCh = 13 10 = 1000 1130 1170 1330 1830 ... 0800 0900 0940 1100 1570 = AR	CW	(AB-HNG)
UM04	14-10	0700	4735	Mon	VVV VVV PROMRCh = 14 10 = 1000 1130 1180 1340 1840 ... 0800 0900 0940 1100 1570 = AR	CW	(Subilo)
UM04	15-10	0700	4735	Tue	VVV VVV PROMRCh = 15 10 = 1000 1130 1180 1340 1850 ... 0800 0900 0940 1100 1570 = AR	CW	(AB-HNG)
UM04	16-10	0700	4735	Wed	VVV VVV PROMRCh = 16 10 = 1000 1140 1180 1340 1870 ... 0800 0900 0940 1100 1570 = AR	CW	(AB-HNG)
UM04	17-10	0700	4735	Thu	VVV VVV PROMRCh = 1710 = 1000 1140 1190 1350 1870 ... 0800 0900 0950 1110 1580 = AR	CW	(AB-HNG)
UM04	18-10	0700	4735	Fri	VVV VVV PROMRCh = 18 10 = 1000 1150 1190 1360 1890 ... 0800 0900 0950 1110 1590 = AR	CW	(Subilo)
UM04	19-10	0700	4735	Sat	VVV VVV PROMRCh = 19 10 = 1000 1150 1200 1370 1890 ... 0800 0910 0950 1120 1590 = AR	CW	(AB-HNG)
UM04	20-10	0700	4735	Sun	VVV VVV PROMRCh = 20 10 = 1000 1160 1200 1370 1910 ... 0800 0910 0950 1110 1590 = AR	CW	(AB-HNG)
UM04	21-10	0700	4735	Mon	VVV VVV PROMRCh = 2110 = 1000 1150 1200 1370 1910 ... 0800 0900 0950 1110 1590 = AR	CW	(AB-HNG)
UM04	22-10	0700	4735	Tue	VVV VVV PROMRCh = 22 10 = 1000 1150 1190 1370 1900 ... 0800 0900 0950 1110 1580 = AR	CW	(AB-GRC)
UM04	23-10	0700	4735	Wed	VVV VVV PROMRCh = 23 10 = 1000 1130 1180 1350 1890 ... 0800 0890 0940 1100 1570 = AR	CW	(Subilo)
UM04	24-10	0700	4735	Thu	VVV VVV PROMRCh = 24 10 1000 1130 1180 1350 1880 ... 0800 0890 0930 1090 1580 = AR	CW	(AB-HNG)
UM04	25-10	0700	4735	Fri	VVV VVV PROMRCh = 25 10 = 1000 1120 1170 1340 1870 ... 0800 0880 0930 1090 1570 = AR	CW	(Subilo)
UM04	27-10	0800	4735	Sun	VVV VVV PROMRCh = 2710 = 1000 1110 1160 1330 1870 ... 0800 0880 0930 1090 1570 = AR	CW	(AB-HNG)
UM04	28-10	0800	4735	Mon	VVV VVV PROMRCh = 28 10 = 1000 1110 1160 1330 1860 ... 0800 0870 0920 1080 1560 = AR	CW	(AB-HNG)
UM04	29-10	0800	4735	Tue	VVV VVV PROMRCh = 29 10 = 0000 1130 1150 1350 1880 ... 0800 0880 0930 1090 1570 = AR	CW	(Subilo)
UM04	30-10	0800	4735	Wed	VVV VVV PROMRCh = 30 10 = 1000 1140 1190 1350 1890 ... 0800 0890 0940 1100 1580 = AR	CW	(Subilo)
UM04	31-10	0700	4735	Thu	VVV VVV PROMRCh = 31 10 = 1000 1050 1200 1360 1900 ... 0800 0890 0940 1100 1580 = AR	CW	(AB-HNG)
UM05	1-10	0653	5345.8	Tue	Position (R), Y (R), Armoire (R), etc.	CW	(AB)
UM05	2-10	0524	5345.8	Wed	L (R), H (R), M (R), etc.	CW	(AB)
UM05	3-10	0458	5345.8	Thu	Neige (R), Desert (R), Serpent (R), Rire (R), etc.	CW	(AB)
UM05	4-10	0501	5345.8	Fri	Musique (R), Tsunami (R), etc.	CW	(AB)
UM05	5-10	0658	5345.8	Sat	Mai (R), Vert (R), etc.	CW	(AB-F)
UM05	6-10	0700	5345.8	Sun	S (R), Parc (R), etc.	CW	(AB)
UM05	7-10	0451	5345.8	Mon	Canape (R), Terre (R), Desert (R), etc.	CW	(AB)
UM05	8-10	0509	5345.8	Tue	Film (R), Idee (R), etc.	CW	(AB)
UM05	9-10	0528	5345.8	Wed	Hibou (R), N (R), etc.	CW	(AB)
UM05	10-10	0501	5345.8	Thu	Coccinelle (R), I (R), etc.	CW	(AB-D)
UM05	11-10	0502	5345.8	Fri	Avencee (R), Tu (R), etc.	CW	(AB-F)
UM05	12-10	0700	5345.8	Sat	U (R), Forme (R), etc.	CW	(AB-F)
UM05	13-10	0659	5345.8	Sun	C (R), Ciel (R), etc.	CW	(AB)
UM05	16-10	0549	5345.8	Wed	Riviere (R), 9 (R), etc.	CW	(AB)
UM05	17-10	0447	5345.8	Thu	Mai (R), Innovation (R), etc.	CW	(AB-F)
UM05	18-10	0505	5345.8	Fri	Blesse (R), Hpital (R), etc.	CW	(AB-F)
UM05	19-10	0557	5345.8	Sat	Wallaby (R), Forme (R), etc.	CW	(AB-F)
UM05	20-10	0659	5345.8	Sun	Janvier (R), Basketball (R), Danse (R), etc.	CW	(AB)
UM05	21-10	0450	5345.8	Mon	Examen (R), Frere (R), etc.	CW	(AB)
UM05	23-10	1335	7542.8	Wed	Profondeur (R), L (R), Maison (R), Plage (R), etc.	CW	(AB)
UM05	23-10	1621	7542.8	Wed	Colere (R), Lait (R), etc.	CW	(AB)

UM05	24-10	0646	7542.8	Thu	Pharmacie (R), Manger (R), etc.	CW	(AB)
UM05	24-10	1940	7542.8	Thu	Savon (R), Toilettes (R), etc.	CW	(PY)
UM05	25-10	0652	7542.8	Fri	Motoroute (R), Verre (R), Lettre (R), etc.	CW	(AB)
UM05	25-10	1858	7542.8	Fri	Printemps (R), etc.	CW	(PY)
UM05	26-10	0657	7542.8	Sat	Baignoire (R), Arbuste (R), Ocean (R), etc.	CW	(AB-F)
UM05	27-10	0612	7542.8	Sun	Dauphin (R), V (R), etc.	CW	(AB)
UM05	27-10	0936	7542.8	Sun	Debat (R), Theme (R), Degout (R), Eglise (R), Classe (R), Samedi (R), Novembre (R), Cafe (R), Nuit (R), Detour (R), I (R), Poisson (R), etc.	CW	(F5JBR)
UM05	27-10	1231	7542.8	Sun	Cuisine (R), etc.	CW	(PY)
UM05	28-10	0646	7542.8	Mon	U (R), Fourchette (R), etc.	CW	(AB)
UM05	29-10	0614	7542.8	Tue	Rocher (R), Armoire (R), etc.	CW	(AB)
UM05	30-10	0739	7542.8	Wed	D (R), Poids (R), etc.	CW	(AB)
UM05	31-10	0649	7542.8	Thu	Takahe (R), Passage (R), etc.	CW	(AB)
V07	6-10	0200	18217	Sun	238 238 238 1 4034 123 4034 123 00905 73930 60376 ... 18601 86285 80418 000 000	USB	(Dan/HFD-USA)
V07	6-10	0220	16317	Sun	238 238 238 1 4034 123 4034 123 00905 73930 60376 ... 18601 86285 80418 000 000	USB	(HFD-USA)
V07	6-10	0240	15817	Sun	238 238 238 1 4034 123 4034 123 00905 73930 60376 ... 18601 86285 80418 000 000	USB	(HFD)
V07	13-10	0200	18217	Sun	238 238 238 1 1589 125 1589 125 04137 77716 48693 ... 06056 68973 29150 000 000	USB	(Dan)
V07	20-10	0200	18217	Sun	238 238 238 1 3030 59 3030 59 77776 78095 46559 ... 32508 50185 34459 000 000	USB	(Dan)
V07	27-10	0200	18217	Sun	238 238 238 1 4896 87 4896 87 23702 34470 46129 ... 95684 49375 38028 000 000	USB	(Dan)
V13	1-10	0000	15890	Tue	New Star Broadcasting. Station 3. Messages to units 2046, 9244, 9265	USB	(FSpy)
V13	1-10	0200	8300	Tue	New Star Broadcasting. Station 2. Messages to units 3455, 7254, 9670	USB	(FSpy)
V13	1-10	1100	20025	Tue	New Star Broadcasting. Station 5. Messages to units 4250, 4689, 9314	USB	(FSpy/CrLa)
V13	6-10	0100	18040	Sun	New Star Broadcasting. Station 3. Messages to units 2316, 5161, 9830	AM/USB	(FSpy)
V13	6-10	0130	20025	Sun	New Star Broadcasting. Station 4. Messages to units 5597, 6045, 8797	AM/USB	(FSpy)
V13	6-10	0230	8300	Sun	New Star Broadcasting. Station 2. Messages to units 2679, 7269, 9949	USB	(FSpy)
V13	7-10	1200	14944	Mon	New Star Broadcasting	USB	(AB-TWN)
V13	7-10	1200	17461	Mon	New Star Broadcasting	USB	(AB-TWN)
V13	8-10	1030	20095	Tue	New Star Broadcasting. Station 5. Messages to units 0670, 1605, 7211	USB	(FSpy/CrLa)
V13	9-10	0000	18040	Wed	New Star Broadcasting. Station 1. Messages to units 2277, 4097, 5569	AM/USB	(FSpy)
V13	9-10	1100	19052	Wed	New Star Broadcasting. Carrier only	USB	(AB-TWN)
V13	9-10	1100	20025	Wed	New Star Broadcasting	USB	(AB-TWN)
V13	9-10	1130	19052	Wed	New Star Broadcasting	USB	(AB-TWN)
V13	9-10	1130	20025	Wed	New Star Broadcasting	USB	(AB-TWN)
V13	9-10	1130	20095	Wed	New Star Broadcasting	USB	(AB-TWN)
V13	9-10	1200	13974	Wed	New Star Broadcasting	USB	(AB-HK)
V13	9-10	1200	14944	Wed	New Star Broadcasting	USB	(AB-HK)
V13	9-10	1200	15388	Wed	New Star Broadcasting	USB	(AB-HK)
V13	9-10	1230	13974	Wed	New Star Broadcasting	USB	(AB-HK)
V13	9-10	1230	14944	Wed	New Star Broadcasting	USB	(AB-HK)
V13	9-10	1230	15388	Wed	New Star Broadcasting	USB	(AB-HK)
V13	9-10	1300	11430	Wed	New Star Broadcasting	USB	(AB-HK)
V13	9-10	1300	15388	Wed	New Star Broadcasting	USB	(AB-HK)

V13	9-10	1330	11430	Wed	New Star Broadcasting	USB	(AB-HK)
V13	9-10	1330	15388	Wed	New Star Broadcasting	USB	(AB-HK)
V13	13-10	0100	20025	Sun	New Star Broadcasting. Station 4. Messages to units 1900, 6647, 8291	USB	(FSpy)
V13	13-10	0130	19052	Sun	New Star Broadcasting. Station 1. Messages to units 0353, 4208, 8922	USB	(FSpy)
V13	13-10	0200	8169	Sun	New Star Broadcasting. Station 1. Message to unit 7250	USB	(FSpy)
V13	13-10	0200	8300	Sun	New Star Broadcasting. Station 2. Message to unit 0682	USB	(FSpy)
V13	13-10	0200	13974	Sun	New Star Broadcasting. Station 2. Message to unit 0682	USB	(FSpy)
V13	13-10	1330	20095	Sun	New Star Broadcasting. Station 3. Messages to units 5237, 5890, 6397	USB	(FSpy/CrLa)
V13	14-10	1100	15388	Mon	New Star Broadcasting. Carrier only	USB	(AB-TWN)
V13	14-10	1100	19052	Mon	New Star Broadcasting	USB	(AB-TWN)
V13	14-10	1100	20025	Mon	New Star Broadcasting	USB	(AB-TWN)
V13	14-10	1100	20095	Mon	New Star Broadcasting	USB	(AB-TWN)
V13	14-10	1130	15388	Mon	New Star Broadcasting. Carrier only	USB	(AB-TWN)
V13	14-10	1130	19052	Mon	New Star Broadcasting	USB	(AB-TWN)
V13	14-10	1130	20025	Mon	New Star Broadcasting	USB	(AB-TWN)
V13	14-10	1130	20095	Mon	New Star Broadcasting	USB	(AB-TWN)
V13	14-10	1200	13974	Mon	New Star Broadcasting	USB	(AB-TWN)
V13	14-10	1200	14944	Mon	New Star Broadcasting	USB	(AB-TWN)
V13	14-10	1200	15388	Mon	New Star Broadcasting. Mix of two V13 stations	USB	(AB-TWN)
V13	14-10	1230	13974	Mon	New Star Broadcasting	USB	(AB-TWN)
V13	14-10	1230	14944	Mon	New Star Broadcasting	USB	(AB-TWN)
V13	14-10	1230	15388	Mon	New Star Broadcasting. Mix of two V13 stations	USB	(AB-TWN)
V13	14-10	1300	11430	Mon	New Star Broadcasting	USB	(AB-TWN)
V13	14-10	1300	14944	Mon	New Star Broadcasting	USB	(AB-TWN)
V13	14-10	1300	15388	Mon	New Star Broadcasting	USB	(AB-TWN)
V13	14-10	1330	11430	Mon	New Star Broadcasting	USB	(AB-TWN)
V13	14-10	1330	14944	Mon	New Star Broadcasting	USB	(AB-TWN)
V13	14-10	1330	15388	Mon	New Star Broadcasting	USB	(AB-TWN)
V13	14-10	1400	20095	Mon	New Star Broadcasting	USB	(AB-TWN)
V13	14-10	1430	20095	Mon	New Star Broadcasting	USB	(AB-TWN)
V13	15-10	0030	15890	Tue	New Star Broadcasting. Station 3. Messages to units 3495, 6759	AM/USB	(FSpy)
V13	15-10	1200	13974	Tue	New Star Broadcasting. Station 3. Messages to units 3495 and 6759	USB	(AB)
V13	15-10	1200	14944	Tue	New Star Broadcasting. Station 3. Messages to units 3495 and 6759	USB	(AB)
V13	15-10	1200	15388	Tue	New Star Broadcasting	AM	(AB)
V13	15-10	1200	20095	Tue	New Star Broadcasting. Carrier only	USB	(AB)
V13	15-10	1230	15890	Tue	New Star Broadcasting. Station 3. Messages to units 3495 and 6759	USB	(FSpy)
V13	15-10	1500	20095	Tue	New Star Broadcasting	USB	(AB)
V13	17-10	1000	19052	Thu	New Star Broadcasting	USB	(AB-TWN)
V13	17-10	1000	20025	Thu	New Star Broadcasting	USB	(AB-TWN)
V13	17-10	1000	20095	Thu	New Star Broadcasting	USB	(AB-TWN)
V13	20-10	0100	20025	Sun	New Star Broadcasting. Station 4. Messages to units 1567, 5150, 5876	AM/USB	(FSpy)
V13	20-10	0130	18040	Sun	New Star Broadcasting. Station 3. Messages to units 4392, 4508	AM/USB	(FSpy)

V13	20-10	0200	8300	Sun	New Star Broadcasting. Station 2. Messages to units 1164, 8735, 8918	AM/USB	(FSpy)
V13	22-10	0200	8169	Tue	New Star Broadcasting. Station 1. Messages to units 4635, 5452, 5985	AM/USB	(FSpy)
V13	24-10	1100	20025	Thu	New Star Broadcasting. Station 5. Messages to units 3753, 4975, 9255	USB	(FSpy/CrLa)
V13	27-10	0000	15890	Sun	New Star Broadcasting. Station 3. Messages to unit 6759	USB	(FSpy)
V13	27-10	0100	20025	Sun	New Star Broadcasting. Station 4. Messages to units 0182, 0681, 2126	USB	(FSpy)
V13	28-10	0000	18040	Mon	New Star Broadcasting. Station 1. Messages to unit 9222	AM	(FSpy)
V13	28-10	0200	8300	Mon	New Star Broadcasting. Station 2. Messages to units 0671, 6977, 8072	USB	(FSpy)
V13	28-10	1430	20095	Mon	New Star Broadcasting	USB	(AB)
V13	28-10	1500	20095	Mon	New Star Broadcasting	USB	(AB)
V13	28-10	1530	20095	Mon	New Star Broadcasting	USB	(AB)
V13	29-10	0200	8169	Tue	New Star Broadcasting. Station 1. Messages to units 1582, 3351, 8548	AM/USB	(FSpy)
V13a	15-10	0000	18040	Tue	New Star Broadcasting. Station 1. Messages to units 6581, 7650, 9222	AM	(FSpy)
V13a	20-10	0000	18040	Sun	New Star Broadcasting. Station 1. Messages to units 3698, 3745, 3935, 3990, 4037	AM	(FSpy)
V13b	9-10	0130	18040	Wed	New Star Broadcasting. Station 3. Messages to units 4392, 4508, 5358, 6966	USB	(FSpy)
VC01	7-10	1024	7207	Mon	Chinese Air Defense a.k.a. Chinese Robot	USB	(AB-TWN)
VC01	9-10	1100	6025	Wed	Chinese Air Defense a.k.a. Chinese Robot	LSB	(AB-TWN)
VC01	10-10	1154	6025	Thu	Chinese Air Defense a.k.a. Chinese Robot	LSB	(AB-J)
X06	1-10	0838	13401	Tue	MFA Moscow clg 154263: Russian embassy Rome	MFSK-6	(AB/RO)
X06	2-10	1239	20374	Wed	MFA Moscow clg 231654: Russian embassy Abuja	MFSK-6	(Moon)
X06	3-10	0920	18197	Thu	MFA Moscow clg 645321: Russian Consulate General Ho Chi Minh City	MFSK-6	(RO)
X06	3-10	1312	19405	Thu	MFA Moscow clg 352416: Russian embassy Dar el Salaam	MFSK-6	(Anon)
X06	7-10	0737	14377	Mon	MFA Moscow clg 432516: Russian embassy Bern	MFSK-6	(RO)
X06	7-10	0943	11450	Mon	661166		(HFD)
X06	8-10	0757	10767	Tue	MFA Moscow clg 534216: Russian embassy Baghdad	MFSK-6	(Moon)
X06	9-10	0727	11483	Wed	MFA Moscow clg 412356: Russian embassy Budapest	MFSK-6	(AB/Moon)
X06	9-10	0814	11153	Wed	MFA Moscow clg 465132: Russian embassy Sofia	MFSK-6	(AB/Moon)
X06	11-10	0847	12177	Fri	MFA Moscow clg 356412: Russian embassy Berlin	MFSK-6	(RO)
X06	13-10	0823	16060	Sun	MFA Moscow clg 261453: Russian embassy Cairo	MFSK-6	(RO)
X06	14-10	0815	17475	Mon	MFA Moscow clg 156234: Russian embassy Kampala	MFSK-6	(RO)
X06	16-10	1114	16115	Wed	MFA Moscow clg 215346: Russian Consulate General Mumbai	MFSK-6	(RO)
X06	16-10	1234	17506	Wed	MFA Moscow clg 231654: Russian embassy Abuja	MFSK-6	(Anon)
X06	17-10	0750	17534	Thu	MFA Moscow clg 351264: Russian embassy Abu Dhabi	MFSK-6	(AB/Moon)
X06	17-10	1215	19511	Thu	MFA Moscow clg 314265: Russian embassy Antananarivo	MFSK-6	(RO)
X06	18-10	0826	13954	Fri	MFA Moscow clg 213546: Russian embassy Islamabad	MFSK-6	(AB/Moon)
X06	21-10	0644	13452	Mon	MFA Moscow clg 165324: Russian embassy Vienna	MFSK-6	(AB)
X06	21-10	0744	12152	Mon	MFA Moscow clg 432516: Russian embassy Bern	MFSK-6	(AB/RO)
X06	22-10	0801	17523	Tue	MFA Moscow clg 542136: Russian embassy Beijing	MFSK-6	(Moon)
X06	22-10	0811	11545	Tue	MFA Moscow clg 534216: Russian embassy Baghdad	MFSK-6	(RO)
X06	22-10	1011	17470	Tue	MFA Moscow clg 216354: Russian Consulate General Chennai	MFSK-6	(Moon)
X06	23-10	0742	11483	Wed	MFA Moscow clg 412356: Russian embassy Budapest	MFSK-6	(AB/Moon)
X06	23-10	0824	11153	Wed	MFA Moscow clg 465132: Russian embassy Sofia	MFSK-6	(AB/Moon)
X06	28-10	0740	12100	Mon	123456 i.p. (ended at 1043z)	MFSK-6	(AB)

<b>X06</b>	28-10	0933	16117	Mon	MFA Moscow clg 463125: Russian embassy Rabat	MFSK-6	(EW)
<b>X06b</b>	4-10	1400	14518	Fri	111666	USB	(Lac)
<b>X06b</b>	7-10	0950	12450	Mon	661166 (switched to 13450 kHz at 1013z)	MFSK-6	(AB)
<b>X06b</b>	7-10	1013	13450	Mon	661166 (ended at 1028z)	MFSK-6	(AB)
<b>X06b</b>	7-10	1031	13450	Mon	661166 (off after 35s)	MFSK-6	(AB)
<b>X06b</b>	7-10	1032	13450	Mon	661166 (ended at 1041z)	MFSK-6	(AB)
<b>X06b</b>	7-10	1056	13450	Mon	661166 (ended at 1121z)	MFSK-6	(AB)
<b>X06b</b>	7-10	1124	12450	Mon	661166 (ended at 1305z)	MFSK-6	(AB)
<b>X06b</b>	14-10	1048	6575	Mon	111666	USB	(Lac)
<b>XPA1</b>	2-10	1210	14564	Wed	554 554 554 1 00615 00081 31517 ... 28939 73031 70657	MFSK-20/10Bd	(AB)
<b>XPA1</b>	2-10	1230	13564	Wed	554 554 554 1 00615 00081 31517 ... 28939 73031 70657	MFSK-20/10Bd	(AB)
<b>XPA1</b>	2-10	1250	11464	Wed	554 554 554 1 00615 00081 31517 ... 28939 73031 70657	MFSK-20/10Bd	(AB)
<b>XPA1</b>	4-10	1210	14564	Fri	554 554 554 1 00615 00081 31517 ... 28939 73031 70657	MFSK-20/10Bd	(AB)
<b>XPA1</b>	4-10	1230	13564	Fri	554 554 554 1 00615 00081 31517 ... 28939 73031 70657	MFSK-20/10Bd	(AB)
<b>XPA1</b>	4-10	1250	11464	Fri	554 554 554 1 00615 00081 31517 ... 28939 73031 7065	MFSK-20/10Bd	(AB)
<b>XPA1</b>	9-10	1210	14564	Wed	554 554 554 1 00615 00081 31517 ... 28939 73031 70657	MFSK-20/10Bd	(AB/HFD)
<b>XPA1</b>	9-10	1230	13564	Wed	554 554 554 1 00615 00081 31517 ... 28939 73031 70657	MFSK-20/10Bd	(AB/HFD)
<b>XPA1</b>	9-10	1250	11464	Wed	554 554 554 1 00615 00081 31517 ... 28939 73031 70657	MFSK-20/10Bd	(AB/HFD)
<b>XPA1</b>	11-10	1210	14564	Fri	554 554 554 1 00615 00081 31517 ... 28939 73031 70657	MFSK-20/10Bd	(AB/HFD)
<b>XPA1</b>	11-10	1230	13564	Fri	554 554 554 1 00615 00081 31517 ... 28939 73031 70657	MFSK-20/10Bd	(AB)
<b>XPA1</b>	11-10	1250	11464	Fri	554 554 554 1 00615 00081 31517 ... 28939 73031 70657	MFSK-20/10Bd	(AB)
<b>XPA1</b>	16-10	1210	14564	Wed	554 554 554 1 00615 00081 31517 ... 28939 73031 70657	MFSK-20/10Bd	(AB)
<b>XPA1</b>	16-10	1230	13564	Wed	554 554 554 1 00615 00081 31517 ... 28939 73031 70657	MFSK-20/10Bd	(AB)
<b>XPA1</b>	16-10	1250	11464	Wed	554 554 554 1 00615 00081 31517 ... 28939 73031 70657	MFSK-20/10Bd	(AB)
<b>XPA1</b>	18-10	1210	14564	Fri	554 554 554 1 00615 00081 31517 ... 28939 73031 70657	MFSK-20/10Bd	(AB)
<b>XPA1</b>	18-10	1230	13564	Fri	554 554 554 1 00615 00081 31517 ... 28939 73031 70657	MFSK-20/10Bd	(AB)
<b>XPA1</b>	18-10	1250	11464	Fri	554 554 554 1 00615 00081 31517 ... 28939 73031 70657	MFSK-20/10Bd	(AB)
<b>XPA1</b>	23-10	1210	14564	Wed	554 554 554 000 08508 00001 00000 37660	MFSK-20/10Bd	(AB)
<b>XPA1</b>	23-10	1230	13564	Wed	554 554 554 000 08508 00001 00000 37660	MFSK-20/10Bd	(AB)
<b>XPA1</b>	23-10	1250	11464	Wed	554 554 554 000 08508 00001 00000 37660	MFSK-20/10Bd	(AB)
<b>XPA1</b>	25-10	1210	14564	Fri	554 554 554 000 04421 00001 00000 33656	MFSK-20/10Bd	(AB)
<b>XPA1</b>	25-10	1230	13564	Fri	554 554 554 000 04421 00001 00000 33656	MFSK-20/10Bd	(AB)
<b>XPA1</b>	25-10	1250	11464	Fri	554 554 554 000 04421 00001 00000 33656	MFSK-20/10Bd	(AB)
<b>XPA1</b>	30-10	1210	14564	Wed	554 554 554 000 09175 00001 00000 34270	MFSK-20/10Bd	(AB)
<b>XPA1</b>	30-10	1230	13564	Wed	554 554 554 000 09175 00001 00000 34270	MFSK-20/10Bd	(AB)
<b>XPA1</b>	30-10	1250	11464	Wed	554 554 554 000 09175 00001 00000 34270	MFSK-20/10Bd	(AB)
<b>XPA2</b>	1-10	1100	14537	Tue	08604 00063 80734 ... 65350 04669 16116	MFSK-16/20Bd	(AB/HFD)
<b>XPA2</b>	1-10	1120	13437	Tue	08604 00063 80734 ... 65350 04669 16116	MFSK-16/20Bd	(AB/HFD)
<b>XPA2</b>	1-10	1140	10737	Tue	08604 00063 80734 ... 65350 04669 16116	MFSK-16/20Bd	(AB/HFD)
<b>XPA2</b>	1-10	1600	13542	Tue	01981 00001 00000 36261	MFSK-16/20Bd	(AB)
<b>XPA2</b>	1-10	1620	12142	Tue	01981 00001 00000 36261	MFSK-16/20Bd	(AB)
<b>XPA2</b>	1-10	1640	11442	Tue	01981 00001 00000 36261	MFSK-16/20Bd	(AB)



XPA2	2-10	0700	13372	Wed	07928 00001 00000 41661	MFSK-16/20Bd	(AB/HFD)
XPA2	2-10	0720	14672	Wed	07928 00001 00000 41661	MFSK-16/20Bd	(AB/HFD)
XPA2	2-10	0740	15872	Wed	07928 00001 00000 41661	MFSK-16/20Bd	(AB/HFD)
XPA2	2-10	0910	17471	Wed	00523 00192 01722 ... 60078 94229 77074	MFSK-16/20Bd	(AB)
XPA2	2-10	0930	16149	Wed	00523 00192 01722 ... 60078 94229 77074	MFSK-16/20Bd	(AB)
XPA2	2-10	0950	14406	Wed	00523 00192 01722 ... 60078 94229 77074	MFSK-16/20Bd	(AB)
XPA2	2-10	1100	14672	Wed	00157 00116 49908 ... 11613 69629 76652	MFSK-16/20Bd	(AB)
XPA2	2-10	1120	13472	Wed	00157 00116 49908 ... 11613 69629 76652	MFSK-16/20Bd	(AB)
XPA2	2-10	1140	12172	Wed	00157 00116 49908 ... 11613 69629 76652	MFSK-16/20Bd	(AB)
XPA2	2-10	1800	14518	Wed	04296 00153 75019 ... 50267 11906 14717	MFSK-16/20Bd	(AB)
XPA2	2-10	1820	13418	Wed	04296 00153 75019 ... 50267 11906 14717	MFSK-16/20Bd	(AB)
XPA2	2-10	1840	12218	Wed	04296 00153 75019 ... 50267 11906 14717	MFSK-16/20Bd	(AB)
XPA2	3-10	0910	17438	Thu	09604 00001 00000 36261	MFSK-16/20Bd	(AB)
XPA2	3-10	0930	16338	Thu	09604 00001 00000 36261	MFSK-16/20Bd	(AB)
XPA2	3-10	0950	15938	Thu	09604 00001 00000 36261	MFSK-16/20Bd	(AB)
XPA2	3-10	1100	14672	Thu	00157 00116 49908 ... 11613 69629 76652	MFSK-16/20Bd	(AB)
XPA2	3-10	1120	13472	Thu	00157 00116 49908 ... 11613 69629 76652	MFSK-16/20Bd	(AB)
XPA2	3-10	1140	12172	Thu	00157 00116 49908 ... 11613 69629 76652	MFSK-16/20Bd	(AB)
XPA2	3-10	1600	13542	Thu	02103 00001 00000 33252	MFSK-16/20Bd	(AB/HFD)
XPA2	3-10	1620	12142	Thu	02103 00001 00000 33252	MFSK-16/20Bd	(AB/HFD)
XPA2	3-10	1640	11442	Thu	02103 00001 00000 33252	MFSK-16/20Bd	(AB/HFD)
XPA2	4-10	1100	14537	Fri	08604 00063 80734 ... 65350 04669 16116	MFSK-16/20Bd	(AB)
XPA2	4-10	1120	13437	Fri	08604 00063 80734 ... 65350 04669 16116	MFSK-16/20Bd	(AB)
XPA2	4-10	1140	10737	Fri	08604 00063 80734 ... 65350 04669 16116	MFSK-16/20Bd	(AB)
XPA2	4-10	1800	14518	Fri	04296 00153 75019 ... 50267 11906 14717	MFSK-16/20Bd	(AB/HFD)
XPA2	4-10	1820	13418	Fri	04296 00153 75019 ... 50267 11906 14717	MFSK-16/20Bd	(AB/HFD)
XPA2	4-10	1840	12218	Fri	04296 00153 75019 ... 50267 11906 14717	MFSK-16/20Bd	(AB/HFD)
XPA2	5-10	0910	17438	Sat	06330 00001 00000 32661	MFSK-16/20Bd	(AB/HFD)
XPA2	5-10	0930	16338	Sat	06330 00001 00000 32661	MFSK-16/20Bd	(AB/HFD)
XPA2	5-10	0950	15938	Sat	06330 00001 00000 32661	MFSK-16/20Bd	(AB/HFD)
XPA2	5-10	1500	13906	Sat	03664 00001 00000 36261	MFSK-16/20Bd	(AB/HFD)
XPA2	5-10	1520	12109	Sat	03664 00001 00000 36261	MFSK-16/20Bd	(AB/HFD)
XPA2	5-10	1540	10906	Sat	03664 00001 00000 36261	MFSK-16/20Bd	(AB/HFD)
XPA2	7-10	0700	13372	Mon	09151 00098 93917 ... 25728 09334 26124	MFSK-16/20Bd	(AB)
XPA2	7-10	0720	14672	Mon	09151 00098 93917 ... 25728 09334 26124	MFSK-16/20Bd	(AB)
XPA2	7-10	0740	15872	Mon	09151 00098 93917 ... 25728 09334 26124	MFSK-16/20Bd	(AB)
XPA2	7-10	0910	17471	Mon	08322 0001 00000 33662	MFSK-16/20Bd	(AB/HFD)
XPA2	7-10	0930	16149	Mon	08322 0001 00000 33662	MFSK-16/20Bd	(AB/HFD)
XPA2	7-10	0950	14406	Mon	08322 0001 00000 33662	MFSK-16/20Bd	(AB/HFD)
XPA2	7-10	1500	13906	Mon	00307 00253 53007 ... 65410 96704 75455	MFSK-16/20Bd	(AB)
XPA2	7-10	1520	12109	Mon	00307 00253 53007 ... 65410 96704 75455	MFSK-16/20Bd	(AB)
XPA2	7-10	1540	10906	Mon	00307 00253 53007 ... 65410 96704 75455	MFSK-16/20Bd	(AB)

XPA2	8-10	1100	14537	Tue	01272 00001 00000 33260	MFSK-16/20Bd	(AB)
XPA2	8-10	1120	13437	Tue	01272 00001 00000 33260	MFSK-16/20Bd	(AB)
XPA2	8-10	1140	10737	Tue	01272 00001 00000 33260	MFSK-16/20Bd	(AB)
XPA2	8-10	1600	13542	Tue	01402 00185 15863 ... 29191 45670 33436	MFSK-16/20Bd	(AB)
XPA2	8-10	1620	12142	Tue	01402 00185 15863 ... 29191 45670 33436	MFSK-16/20Bd	(AB)
XPA2	8-10	1640	11442	Tue	01402 00185 15863 ... 29191 45670 33436	MFSK-16/20Bd	(AB)
XPA2	9-10	0700	13372	Wed	09151 00098 93917 ... 25728 09334 26124	MFSK-16/20Bd	(AB)
XPA2	9-10	0720	14672	Wed	09151 00098 93917 ... 25728 09334 26124	MFSK-16/20Bd	(AB)
XPA2	9-10	0740	15872	Wed	09151 00098 93917 ... 25728 09334 26124	MFSK-16/20Bd	(AB)
XPA2	9-10	0910	17471	Wed	09166 00001 00000 34667	MFSK-16/20Bd	(AB)
XPA2	9-10	0930	16149	Wed	09166 00001 00000 34667	MFSK-16/20Bd	(AB)
XPA2	9-10	0950	14406	Wed	09166 00001 00000 34667	MFSK-16/20Bd	(AB)
XPA2	9-10	1100	14672	Wed	00157 00116 49908 ... 11613 69629 76652	MFSK-16/20Bd	(AB)
XPA2	9-10	1120	13472	Wed	00157 00116 49908 ... 11613 69629 76652	MFSK-16/20Bd	(AB)
XPA2	9-10	1140	12172	Wed	00157 00116 49908 ... 11613 69629 76652	MFSK-16/20Bd	(AB)
XPA2	9-10	1800	14518	Wed	03413 00001 00000 34654	MFSK-16/20Bd	(AB)
XPA2	9-10	1820	13418	Wed	03413 00001 00000 34654	MFSK-16/20Bd	(AB)
XPA2	9-10	1840	12218	Wed	03413 00001 00000 34654	MFSK-16/20Bd	(AB)
XPA2	10-10	0910	17438	Thu	00392 00068 91664 ... 37695 09717 01661	MFSK-16/20Bd	(AB)
XPA2	10-10	0930	16338	Thu	00392 00068 91664 ... 37695 09717 01661	MFSK-16/20Bd	(AB)
XPA2	10-10	0950	15938	Thu	00392 00068 91664 ... 37695 09717 01661	MFSK-16/20Bd	(AB)
XPA2	10-10	1100	14672	Thu	00157 00116 49908 ... 11613 69629 76652	MFSK-16/20Bd	(AB)
XPA2	10-10	1120	13472	Thu	00157 00116 49908 ... 11613 69629 76652	MFSK-16/20Bd	(AB)
XPA2	10-10	1140	12172	Thu	00157 00116 49908 ... 11613 69629 76652	MFSK-16/20Bd	(AB)
XPA2	10-10	1600	13542	Thu	01402 00185 15863 ... 29191 45670 33436	MFSK-16/20Bd	(AB)
XPA2	10-10	1620	12142	Thu	01402 00185 15863 ... 29191 45670 33436	MFSK-16/20Bd	(AB)
XPA2	10-10	1640	11442	Thu	01402 00185 15863 ... 29191 45670 33436	MFSK-16/20Bd	(AB)
XPA2	11-10	1100	14537	Fri	07773 00001 00000 36266	MFSK-16/20Bd	(AB)
XPA2	11-10	1120	13437	Fri	07773 00001 00000 36266	MFSK-16/20Bd	(AB)
XPA2	11-10	1140	10737	Fri	07773 00001 00000 36266	MFSK-16/20Bd	(AB)
XPA2	11-10	1800	14518	Fri	01275 00001 00000 35260	MFSK-16/20Bd	(AB)
XPA2	11-10	1820	13418	Fri	01275 00001 00000 35260	MFSK-16/20Bd	(AB)
XPA2	11-10	1840	12218	Fri	01275 00001 00000 35260	MFSK-16/20Bd	(AB)
XPA2	12-10	0910	17438	Sat	00392 00068 91664 ... 37695 09717 01661	MFSK-16/20Bd	(AB)
XPA2	12-10	0930	16338	Sat	00392 00068 91664 ... 37695 09717 01661	MFSK-16/20Bd	(AB)
XPA2	12-10	0950	15938	Sat	00392 00068 91664 ... 37695 09717 01661	MFSK-16/20Bd	(AB)
XPA2	12-10	1500	13906	Sat	00307 00253 53007 ... 65410 96704 75455	MFSK-16/20Bd	(AB)
XPA2	12-10	1520	12109	Sat	00307 00253 53007 ... 65410 96704 75455	MFSK-16/20Bd	(AB)
XPA2	12-10	1540	10906	Sat	00307 00253 53007 ... 65410 96704 75455	MFSK-16/20Bd	(AB)
XPA2	14-10	0700	13372	Mon	09151 00098 93917 ... 25728 09334 26124	MFSK-16/20Bd	(AB)
XPA2	14-10	0720	14672	Mon	09151 00098 93917 ... 25728 09334 26124	MFSK-16/20Bd	(AB)
XPA2	14-10	0740	15872	Mon	09151 00098 93917 ... 25728 09334 26124	MFSK-16/20Bd	(AB)

XPA2	14-10	0910	17471	Mon	06594 00090 82580 ... 08299 31374 41461	MFSK-16/20Bd	(AB)
XPA2	14-10	0930	16149	Mon	06594 00090 82580 ... 08299 31374 41461	MFSK-16/20Bd	(AB)
XPA2	14-10	0950	14406	Mon	06594 00090 82580 ... 08299 31374 41461	MFSK-16/20Bd	(AB)
XPA2	14-10	1500	13906	Mon	05677 00001 00000 36655	MFSK-16/20Bd	(AB)
XPA2	14-10	1520	12109	Mon	05677 00001 00000 36655	MFSK-16/20Bd	(AB)
XPA2	14-10	1540	10906	Mon	05677 00001 00000 36655	MFSK-16/20Bd	(AB)
XPA2	15-10	1100	14537	Tue	00361 00021 30905 ... 32223 32057 75300	MFSK-16/20Bd	(AB)
XPA2	15-10	1120	13437	Tue	00361 00021 30905 ... 32223 32057 75300	MFSK-16/20Bd	(AB) .
XPA2	15-10	1140	10737	Tue	00361 00021 30905 ... 32223 32057 75300	MFSK-16/20Bd	(AB)
XPA2	15-10	1600	13542	Tue	01488 00001 00000 37261	MFSK-16/20Bd	(AB)
XPA2	15-10	1620	12142	Tue	01488 00001 00000 37261	MFSK-16/20Bd	(AB)
XPA2	15-10	1640	11442	Tue	01488 00001 00000 37261	MFSK-16/20Bd	(AB)
XPA2	16-10	0700	13372	Wed	09151 00098 93917 ... 25728 09334 26124	MFSK-16/20Bd	(AB)
XPA2	16-10	0720	14672	Wed	09151 00098 93917 ... 25728 09334 26124	MFSK-16/20Bd	(AB)
XPA2	16-10	0740	15872	Wed	09151 00098 93917 ... 25728 09334 26124	MFSK-16/20Bd	(AB)
XPA2	16-10	0910	17471	Wed	06594 00090 82580 ... 08299 31374 41461	MFSK-16/20Bd	(AB)
XPA2	16-10	0930	16149	Wed	06594 00090 82580 ... 08299 31374 41461	MFSK-16/20Bd	(AB)
XPA2	16-10	0950	14406	Wed	06594 00090 82580 ... 08299 31374 41461	MFSK-16/20Bd	(AB)
XPA2	16-10	1100	14672	Wed	01508 00134 75016 ... 45395 86957 70117	MFSK-16/20Bd	(AB)
XPA2	16-10	1120	13472	Wed	01508 00134 75016 ... 45395 86957 70117	MFSK-16/20Bd	(AB)
XPA2	16-10	1140	12172	Wed	01508 00134 75016 ... 45395 86957 70117	MFSK-16/20Bd	(AB)
XPA2	16-10	1800	14518	Wed	00400 00131 35002 ... 26222 57696 73036	MFSK-16/20Bd	(AB)
XPA2	16-10	1820	13418	Wed	00400 00131 35002 ... 26222 57696 73036	MFSK-16/20Bd	(AB)
XPA2	16-10	1840	12218	Wed	00400 00131 35002 ... 26222 57696 73036	MFSK-16/20Bd	(AB)
XPA2	17-10	0910	17438	Thu	00392 00068 91664 ... 37695 09717 01661	MFSK-16/20Bd	(AB)
XPA2	17-10	0930	16338	Thu	00392 00068 91664 ... 37695 09717 01661	MFSK-16/20Bd	(AB)
XPA2	17-10	0950	15938	Thu	00392 00068 91664 ... 37695 09717 01661	MFSK-16/20Bd	(AB)
XPA2	17-10	1100	14672	Thu	01508 00134 75016 ... 45395 86957 70117	MFSK-16/20Bd	(AB/HFD)
XPA2	17-10	1120	13472	Thu	01508 00134 75016 ... 45395 86957 70117	MFSK-16/20Bd	(AB/HFD)
XPA2	17-10	1140	12172	Thu	01508 00134 75016 ... 45395 86957 70117	MFSK-16/20Bd	(AB/HFD)
XPA2	17-10	1600	13542	Thu	07360 00001 00000 32665	MFSK-16/20Bd	(AB)
XPA2	17-10	1620	12142	Thu	07360 00001 00000 32665	MFSK-16/20Bd	(AB)
XPA2	17-10	1640	11442	Thu	07360 00001 00000 32665	MFSK-16/20Bd	(AB)
XPA2	18-10	1100	14537	Fri	00361 00021 30905 ... 32223 32057 75300	MFSK-16/20Bd	(AB)
XPA2	18-10	1120	13437	Fri	00361 00021 30905 ... 32223 32057 75300	MFSK-16/20Bd	(AB) .
XPA2	18-10	1140	10737	Fri	00361 00021 30905 ... 32223 32057 75300	MFSK-16/20Bd	(AB)
XPA2	18-10	1800	14518	Fri	00400 00131 35002 ... 26222 57696 73036	MFSK-16/20Bd	(AB)
XPA2	18-10	1820	13418	Fri	00400 00131 35002 ... 26222 57696 73036	MFSK-16/20Bd	(AB)
XPA2	18-10	1840	12218	Fri	00400 00131 35002 ... 26222 57696 73036	MFSK-16/20Bd	(AB)
XPA2	19-10	0910	17438	Sat	00392 00068 91664 ... 37695 09717 01661	MFSK-16/20Bd	(AB)
XPA2	19-10	0930	16338	Sat	00392 00068 91664 ... 37695 09717 01661	MFSK-16/20Bd	(AB)
XPA2	19-10	0950	15938	Sat	00392 00068 91664 ... 37695 09717 01661	MFSK-16/20Bd	(AB)



XPA2	19-10	1500	13906	Sat	05099 00001 00000 35666	MFSK-16/20Bd	(AB)
XPA2	19-10	1520	12109	Sat	05099 00001 00000 35666	MFSK-16/20Bd	(AB)
XPA2	19-10	1540	10906	Sat	05099 00001 00000 35666	MFSK-16/20Bd	(AB)
XPA2	21-10	0700	13372	Mon	05763 00000 00000 36253	MFSK-16/20Bd	(AB)
XPA2	21-10	0720	14672	Mon	05763 00000 00000 36253	MFSK-16/20Bd	(AB)
XPA2	21-10	0740	15872	Mon	05763 00000 00000 36253	MFSK-16/20Bd	(AB)
XPA2	21-10	0910	17471	Mon	06594 00090 82580 ... 08299 31374 41461	MFSK-16/20Bd	(AB)
XPA2	21-10	0930	16149	Mon	06594 00090 82580 ... 08299 31374 41461	MFSK-16/20Bd	(AB)
XPA2	21-10	0950	14406	Mon	06594 00090 82580 ... 08299 31374 41461	MFSK-16/20Bd	(AB)
XPA2	21-10	1500	13906	Mon	00728 00270 94905 ... 64528 72306 53530	MFSK-16/20Bd	(AB)
XPA2	21-10	1520	12109	Mon	00728 00270 94905 ... 64528 72306 53530	MFSK-16/20Bd	(AB)
XPA2	21-10	1540	10906	Mon	00728 00270 94905 ... 64528 72306 53530	MFSK-16/20Bd	(AB)
XPA2	22-10	1100	14537	Tue	00361 00021 30905 ... 32223 32057 75300	MFSK-16/20Bd	(AB)
XPA2	22-10	1120	13437	Tue	00361 00021 30905 ... 32223 32057 75300	MFSK-16/20Bd	(AB)
XPA2	22-10	1140	10737	Tue	00361 00021 30905 ... 32223 32057 75300	MFSK-16/20Bd	(AB)
XPA2	22-10	1600	13542	Tue	00487 00150 01723 ... 53734 46291 13154	MFSK-16/20Bd	(AB)
XPA2	22-10	1620	12142	Tue	00487 00150 01723 ... 53734 46291 13154	MFSK-16/20Bd	(AB)
XPA2	22-10	1640	11442	Tue	00487 00150 01723 ... 53734 46291 13154	MFSK-16/20Bd	(AB)
XPA2	23-10	0700	13372	Wed	09690 00001 00000 34272	MFSK-16/20Bd	(AB)
XPA2	23-10	0720	14672	Wed	09690 00001 00000 34272	MFSK-16/20Bd	(AB)
XPA2	23-10	0740	15872	Wed	09690 00001 00000 34272	MFSK-16/20Bd	(AB)
XPA2	23-10	0910	17471	Wed	06594 00090 82580 ... 08299 31374 41461	MFSK-16/20Bd	(AB)
XPA2	23-10	0930	16149	Wed	06594 00090 82580 ... 08299 31374 41461	MFSK-16/20Bd	(AB)
XPA2	23-10	0950	14406	Wed	06594 00090 82580 ... 08299 31374 41461	MFSK-16/20Bd	(AB)
XPA2	23-10	1100	14672	Wed	08847 00001 00000 40664	MFSK-16/20Bd	(AB)
XPA2	23-10	1120	13472	Wed	08847 00001 00000 40664	MFSK-16/20Bd	(AB)
XPA2	23-10	1140	12172	Wed	08847 00001 00000 40664	MFSK-16/20Bd	(AB)
XPA2	23-10	1800	14518	Wed	00356 00155 33591 ... 44409 83230 26274	MFSK-16/20Bd	(AB)
XPA2	23-10	1820	13418	Wed	00356 00155 33591 ... 44409 83230 26274	MFSK-16/20Bd	(AB)
XPA2	23-10	1840	12218	Wed	00356 00155 33591 ... 44409 83230 26274	MFSK-16/20Bd	(AB)
XPA2	24-10	0910	17438	Thu	06733 00001 00000 36261	MFSK-16/20Bd	(AB)
XPA2	24-10	0930	16338	Thu	06733 00001 00000 36261	MFSK-16/20Bd	(AB)
XPA2	24-10	0950	15938	Thu	06733 00001 00000 36261	MFSK-16/20Bd	(AB)
XPA2	24-10	1100	14672	Thu	06979 00001 00000 42265	MFSK-16/20Bd	(AB)
XPA2	24-10	1120	13472	Thu	06979 00001 00000 42265	MFSK-16/20Bd	(AB)
XPA2	24-10	1140	12172	Thu	06979 00001 00000 42265	MFSK-16/20Bd	(AB)
XPA2	24-10	1200	13432	Thu	09854 00141 45116 ... 01399 47576 36600	MFSK-16/20Bd	(PY)
XPA2	24-10	1210	12158	Thu	09854 00141 45116 ... 01399 47576 36600	MFSK-16/20Bd	(PY)
XPA2	24-10	1220	13439	Thu	09854 00141 45116 ... 01399 47576 36600	MFSK-16/20Bd	(PY)
XPA2	24-10	1230	14712	Thu	09854 00141 45116 ... 01399 47576 36600	MFSK-16/20Bd	(PY)
XPA2	24-10	1240	15887	Thu	09854 00141 45116 ... 01399 47576 36600	MFSK-16/20Bd	(PY)
XPA2	24-10	1250	16152	Thu	09854 00141 45116 ... 01399 47576 36600	MFSK-16/20Bd	(AB)

XPA2	24-10	1600	13542	Thu	00487 00150 01723 ... 53734 46291 13154	MFSK-16/20Bd	(AB)
XPA2	24-10	1620	12142	Thu	00487 00150 01723 ... 53734 46291 13154	MFSK-16/20Bd	(AB)
XPA2	24-10	1640	11442	Thu	00487 00150 01723 ... 53734 46291 13154	MFSK-16/20Bd	(AB)
XPA2	25-10	1100	14537	Fri	00361 00021 30905 ... 32223 32057 75300	MFSK-16/20Bd	(AB)
XPA2	25-10	1120	13437	Fri	00361 00021 30905 ... 32223 32057 75300	MFSK-16/20Bd	(AB)
XPA2	25-10	1140	10737	Fri	00361 00021 30905 ... 32223 32057 75300	MFSK-16/20Bd	(AB)
XPA2	25-10	1800	14518	Fri	00356 00155 33591 ... 44409 83230 26274	MFSK-16/20Bd	(AB)
XPA2	25-10	1820	13418	Fri	00356 00155 33591 ... 44409 83230 26274	MFSK-16/20Bd	(AB)
XPA2	25-10	1840	12218	Fri	00356 00155 33591 ... 44409 83230 26274	MFSK-16/20Bd	(AB)
XPA2	26-10	0910	17438	Sat	02904 00001 00000 37652	MFSK-16/20Bd	(AB)
XPA2	26-10	0930	16338	Sat	02904 00001 00000 37652	MFSK-16/20Bd	(AB)
XPA2	26-10	0950	15938	Sat	02904 00001 00000 37652	MFSK-16/20Bd	(AB)
XPA2	26-10	1500	13906	Sat	00728 00270 94905 ... 64528 72306 53530	MFSK-16/20Bd	(AB)
XPA2	26-10	1520	12109	Sat	00728 00270 94905 ... 64528 72306 53530	MFSK-16/20Bd	(AB)
XPA2	26-10	1540	10906	Sat	00728 00270 94905 ... 64528 72306 53530	MFSK-16/20Bd	(AB)
XPA2	28-10	0700	13372	Mon	08800 00128 14848 ... 28975 04582 43741	MFSK-16/20Bd	(AB)
XPA2	28-10	0720	14672	Mon	08800 00128 14848 ... 28975 04582 43741	MFSK-16/20Bd	(AB)
XPA2	28-10	0740	15872	Mon	08800 00128 14848 ... 28975 04582 43741	MFSK-16/20Bd	(AB)
XPA2	28-10	0910	17471	Mon	02231 00000 00000 32256	MFSK-16/20Bd	(AB)
XPA2	28-10	0930	16149	Mon	02231 00000 00000 32256	MFSK-16/20Bd	(AB)
XPA2	28-10	0950	14406	Mon	02231 00000 00000 32256	MFSK-16/20Bd	(AB)
XPA2	28-10	1050	11574	Mon	05499 00133 00749 ... 91081 84383 50414	MFSK-16/20Bd	(PY)
XPA2	28-10	1100	12158	Mon	05499 00133 00749 ... 91081 84383 50414	MFSK-16/20Bd	(PY)
XPA2	28-10	1110	13432	Mon	05499 00133 00749 ... 91081 84383 50414	MFSK-16/20Bd	(PY)
XPA2	28-10	1130	12158	Mon	07753 00137 36213 ... 15506 26101 74241	MFSK-16/20Bd	(PY)
XPA2	28-10	1140	13439	Mon	07753 00137 36213 ... 15506 26101 74241	MFSK-16/20Bd	(PY)
XPA2	28-10	1150	14712	Mon	07753 00137 36213 ... 15506 26101 74241	MFSK-16/20Bd	(PY)
XPA2	28-10	1500	13906	Mon	09736 00001 00000 37664	MFSK-16/20Bd	(AB)
XPA2	28-10	1520	12109	Mon	09736 00001 00000 37664	MFSK-16/20Bd	(AB)
XPA2	28-10	1540	10906	Mon	09736 00001 00000 37664	MFSK-16/20Bd	(AB)
XPA2	29-10	1100	14537	Tue	09707 00001 00000 40261	MFSK-16/20Bd	(AB)
XPA2	29-10	1120	13437	Tue	09707 00001 00000 40261	MFSK-16/20Bd	(AB)
XPA2	29-10	1140	10737	Tue	09707 00001 00000 40261	MFSK-16/20Bd	(AB)
XPA2	29-10	1600	13542	Tue	08745 00001 00000 37264	MFSK-16/20Bd	(AB)
XPA2	29-10	1620	12142	Tue	08745 00001 00000 37264	MFSK-16/20Bd	(AB)
XPA2	29-10	1640	11442	Tue	08745 00001 00000 37264	MFSK-16/20Bd	(AB)
XPA2	30-10	0700	13372	Wed	08800 00128 14848 ... 28975 04582 43741	MFSK-16/20Bd	(AB)
XPA2	30-10	0720	14672	Wed	08800 00128 14848 ... 28975 04582 43741	MFSK-16/20Bd	(AB)
XPA2	30-10	0740	15872	Wed	08800 00128 14848 ... 28975 04582 43741	MFSK-16/20Bd	(AB)
XPA2	30-10	0910	17471	Wed	00364 0000 00000 36264	MFSK-16/20Bd	(AB)
XPA2	30-10	0930	16149	Wed	00364 0000 00000 36264	MFSK-16/20Bd	(AB)
XPA2	30-10	0950	14406	Wed	00364 0000 00000 36264	MFSK-16/20Bd	(AB)

XPA2	30-10	1100	14672	Wed	05552 00051 60799 ... 47140 09980 50421	MFSK-16/20Bd	(AB)
XPA2	30-10	1120	13472	Wed	05552 00051 60799 ... 47140 09980 50421	MFSK-16/20Bd	(AB)
XPA2	30-10	1140	12172	Wed	05552 00051 60799 ... 47140 09980 50421	MFSK-16/20Bd	(AB)
XPA2	30-10	1800	14518	Wed	00666 00231 94453 ... 92033 09665 44606	MFSK-16/20Bd	(AB)
XPA2	30-10	1820	13418	Wed	00666 00231 94453 ... 92033 09665 44606	MFSK-16/20Bd	(AB)
XPA2	30-10	1840	12218	Wed	00666 00231 94453 ... 92033 09665 44606	MFSK-16/20Bd	(AB)
XPA2	31-10	0910	17438	Thu	03141 00176 63642 ... 52092 76243 51317	MFSK-16/20Bd	(AB)
XPA2	31-10	0930	16338	Thu	03141 00176 63642 ... 52092 76243 51317	MFSK-16/20Bd	(AB)
XPA2	31-10	0950	15938	Thu	03141 00176 63642 ... 52092 76243 51317	MFSK-16/20Bd	(AB)
XPA2	31-10	1100	14672	Thu	05552 00051 60799 ... 47140 09980 50421	MFSK-16/20Bd	(AB)
XPA2	31-10	1120	13472	Thu	05552 00051 60799 ... 47140 09980 50421	MFSK-16/20Bd	(AB)
XPA2	31-10	1140	12172	Thu	05552 00051 60799 ... 47140 09980 50421	MFSK-16/20Bd	(AB)
XPA2	31-10	1600	13542	Thu	04785 00001 00000 37264	MFSK-16/20Bd	(AB)
XPA2	31-10	1620	12142	Thu	04785 00001 00000 37264	MFSK-16/20Bd	(AB)
XPA2	31-10	1640	11442	Thu	04785 00001 00000 37264	MFSK-16/20Bd	(AB)
XPB1	1-10	1300	20075	Tue	Russian intel.	MFSK-16	(AB)
XPB1	1-10	1310	19575	Tue	Russian intel.	MFSK-16	(AB)
XPB1	1-10	1320	18175	Tue	Russian intel.	MFSK-16	(AB)
XPB1	1-10	1330	17475	Tue	Russian intel.	MFSK-16	(AB)
XPB1	1-10	1340	16275	Tue	Russian intel.	MFSK-16	(AB)
XPB1	1-10	1350	14975	Tue	Russian intel.	MFSK-16	(AB)
XPB1	2-10	1100	16245	Wed	Russian intel.	MFSK-16	(AB)
XPB1	2-10	1110	15825	Wed	Russian intel.	MFSK-16	(AB)
XPB1	2-10	1120	14925	Wed	Russian intel.	MFSK-16	(AB)
XPB1	2-10	1130	13525	Wed	Russian intel.	MFSK-16	(AB)
XPB1	2-10	1140	12125	Wed	Russian intel.	MFSK-16	(AB)
XPB1	2-10	1150	11425	Wed	Russian intel.	MFSK-16	(AB)
XPB1	4-10	1300	20075	Fri	Russian intel.	MFSK-16	(AB)
XPB1	4-10	1310	19575	Fri	Russian intel.	MFSK-16	(AB)
XPB1	4-10	1320	18175	Fri	Russian intel.	MFSK-16	(AB)
XPB1	4-10	1330	17475	Fri	Russian intel.	MFSK-16	(AB)
XPB1	4-10	1340	16275	Fri	Russian intel.	MFSK-16	(AB)
XPB1	4-10	1350	14975	Fri	Russian intel.	MFSK-16	(AB)
XPB1	5-10	1100	16245	Sat	Russian intel.	MFSK-16	(AB)
XPB1	5-10	1110	15825	Sat	Russian intel.	MFSK-16	(AB)
XPB1	5-10	1120	14925	Sat	Russian intel.	MFSK-16	(AB)
XPB1	5-10	1130	13525	Sat	Russian intel.	MFSK-16	(AB)
XPB1	5-10	1140	12125	Sat	Russian intel.	MFSK-16	(AB)
XPB1	5-10	1150	11425	Sat	Russian intel.	MFSK-16	(AB)
XPB1	7-10	0500	19544	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	7-10	0510	19044	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	7-10	0520	18444	Mon	Russian intel.	MFSK-16	(AB/HFD)

XPB1	7-10	0530	17444	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	7-10	0540	16244	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	7-10	0550	15844	Mon	Russian intel.	MFSK-16	(AB/HFD)
XPB1	8-10	0500	19544	Tue	Russian intel.	MFSK-16	(AB-RUS)
XPB1	8-10	0510	19044	Tue	Russian intel.	MFSK-16	(AB-RUS)
XPB1	8-10	0520	18444	Tue	Russian intel.	MFSK-16	(AB-RUS)
XPB1	8-10	0530	17444	Tue	Russian intel.	MFSK-16	(AB-RUS)
XPB1	8-10	0540	16244	Tue	Russian intel.	MFSK-16	(AB-RUS)
XPB1	8-10	0550	15844	Tue	Russian intel.	MFSK-16	(AB-RUS)
XPB1	8-10	1300	20075	Tue	Russian intel.	MFSK-16	(AB)
XPB1	8-10	1310	19575	Tue	Russian intel.	MFSK-16	(AB)
XPB1	8-10	1320	18175	Tue	Russian intel.	MFSK-16	(AB)
XPB1	8-10	1330	17475	Tue	Russian intel.	MFSK-16	(AB)
XPB1	8-10	1340	16275	Tue	Russian intel.	MFSK-16	(AB)
XPB1	8-10	1350	14975	Tue	Russian intel.	MFSK-16	(AB)
XPB1	9-10	1100	16245	Wed	Russian intel.	MFSK-16	(AB/HFD)
XPB1	9-10	1110	15825	Wed	Russian intel.	MFSK-16	(AB/HFD)
XPB1	9-10	1120	14925	Wed	Russian intel.	MFSK-16	(AB/HFD)
XPB1	9-10	1130	13525	Wed	Russian intel.	MFSK-16	(AB/HFD)
XPB1	9-10	1140	12125	Wed	Russian intel.	MFSK-16	(AB/HFD)
XPB1	9-10	1150	11425	Wed	Russian intel.	MFSK-16	(AB/HFD)
XPB1	11-10	1300	20075	Fri	Russian intel.	MFSK-16	(AB)
XPB1	11-10	1310	19575	Fri	Russian intel.	MFSK-16	(AB)
XPB1	11-10	1320	18175	Fri	Russian intel.	MFSK-16	(AB)
XPB1	11-10	1330	17475	Fri	Russian intel.	MFSK-16	(AB)
XPB1	11-10	1340	16275	Fri	Russian intel.	MFSK-16	(AB)
XPB1	11-10	1350	14975	Fri	Russian intel.	MFSK-16	(AB)
XPB1	12-10	1100	16245	Sat	Russian intel.	MFSK-16	(AB)
XPB1	12-10	1110	15825	Sat	Russian intel.	MFSK-16	(AB)
XPB1	12-10	1120	14925	Sat	Russian intel.	MFSK-16	(AB)
XPB1	12-10	1130	13525	Sat	Russian intel.	MFSK-16	(AB)
XPB1	12-10	1140	12125	Sat	Russian intel.	MFSK-16	(AB)
XPB1	12-10	1150	11425	Sat	Russian intel.	MFSK-16	(AB)
XPB1	14-10	0500	19544	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14-10	0510	19044	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14-10	0520	18444	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14-10	0530	17444	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14-10	0540	16244	Mon	Russian intel.	MFSK-16	(AB)
XPB1	14-10	0550	15844	Mon	Russian intel.	MFSK-16	(AB)
XPB1	15-10	0500	19544	Tue	Russian intel.	MFSK-16	(AB-RUS)
XPB1	15-10	0510	19044	Tue	Russian intel.	MFSK-16	(AB-RUS)
XPB1	15-10	0520	18444	Tue	Russian intel.	MFSK-16	(AB-RUS)

<b>XPB1</b>	15-10	0530	17444	Tue	Russian intel.	MFSK-16	(AB-RUS)
<b>XPB1</b>	15-10	0540	16244	Tue	Russian intel.	MFSK-16	(AB-RUS)
<b>XPB1</b>	15-10	0550	15844	Tue	Russian intel.	MFSK-16	(AB-RUS)
<b>XPB1</b>	15-10	1300	20075	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	15-10	1310	19575	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	15-10	1320	18175	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	15-10	1330	17475	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	15-10	1340	16275	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	15-10	1350	14975	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	16-10	1100	16245	Wed	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	16-10	1110	15825	Wed	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	16-10	1120	14925	Wed	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	16-10	1130	13525	Wed	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	16-10	1140	12125	Wed	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	16-10	1150	11425	Wed	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	18-10	1300	20075	Fri	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	18-10	1310	19575	Fri	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	18-10	1320	18175	Fri	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	18-10	1330	17475	Fri	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	18-10	1340	16275	Fri	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	18-10	1350	14975	Fri	Russian intel.	MFSK-16	(AB/HFD)
<b>XPB1</b>	19-10	1100	16245	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	19-10	1110	15825	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	19-10	1120	14925	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	19-10	1130	13525	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	19-10	1140	12125	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	19-10	1150	11425	Sat	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	21-10	0500	19544	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	21-10	0510	19044	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	21-10	0520	18444	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	21-10	0530	17444	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	21-10	0540	16244	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	21-10	0550	15844	Mon	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	22-10	0500	19544	Tue	Russian intel.	MFSK-16	(AB-RUS)
<b>XPB1</b>	22-10	0510	19044	Tue	Russian intel.	MFSK-16	(AB-RUS)
<b>XPB1</b>	22-10	0520	18444	Tue	Russian intel.	MFSK-16	(AB-RUS)
<b>XPB1</b>	22-10	0530	17444	Tue	Russian intel.	MFSK-16	(AB-RUS)
<b>XPB1</b>	22-10	0540	16244	Tue	Russian intel.	MFSK-16	(AB-RUS)
<b>XPB1</b>	22-10	0550	15844	Tue	Russian intel.	MFSK-16	(AB-RUS)
<b>XPB1</b>	22-10	1300	20075	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	22-10	1310	19575	Tue	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	22-10	1320	18175	Tue	Russian intel.	MFSK-16	(AB)

XPB1	22-10	1330	17475	Tue	Russian intel.	MFSK-16	(AB)
XPB1	22-10	1340	16275	Tue	Russian intel.	MFSK-16	(AB)
XPB1	22-10	1350	14975	Tue	Russian intel.	MFSK-16	(AB)
XPB1	23-10	1100	16245	Wed	Russian intel.	MFSK-16	(AB)
XPB1	23-10	1110	15825	Wed	Russian intel.	MFSK-16	(AB)
XPB1	23-10	1120	14925	Wed	Russian intel.	MFSK-16	(AB)
XPB1	23-10	1130	13525	Wed	Russian intel.	MFSK-16	(AB)
XPB1	23-10	1140	12125	Wed	Russian intel.	MFSK-16	(AB)
XPB1	23-10	1150	11425	Wed	Russian intel.	MFSK-16	(AB)
XPB1	25-10	1300	20075	Fri	Russian intel.	MFSK-16	(AB)
XPB1	25-10	1310	19575	Fri	Russian intel.	MFSK-16	(AB)
XPB1	25-10	1320	18175	Fri	Russian intel.	MFSK-16	(AB)
XPB1	25-10	1330	17475	Fri	Russian intel.	MFSK-16	(AB)
XPB1	25-10	1340	16275	Fri	Russian intel.	MFSK-16	(AB)
XPB1	25-10	1350	14975	Fri	Russian intel.	MFSK-16	(AB)
XPB1	26-10	1100	16245	Sat	Russian intel.	MFSK-16	(AB)
XPB1	26-10	1110	15825	Sat	Russian intel.	MFSK-16	(AB)
XPB1	26-10	1120	14925	Sat	Russian intel.	MFSK-16	(AB)
XPB1	26-10	1130	13525	Sat	Russian intel.	MFSK-16	(AB)
XPB1	26-10	1140	12125	Sat	Russian intel.	MFSK-16	(AB)
XPB1	26-10	1150	11425	Sat	Russian intel.	MFSK-16	(AB)
XPB1	28-10	0500	19544	Mon	Russian intel.	MFSK-16	(AB)
XPB1	28-10	0510	19044	Mon	Russian intel.	MFSK-16	(AB)
XPB1	28-10	0520	18444	Mon	Russian intel.	MFSK-16	(AB)
XPB1	28-10	0530	17444	Mon	Russian intel.	MFSK-16	(AB)
XPB1	28-10	0540	16244	Mon	Russian intel.	MFSK-16	(AB)
XPB1	28-10	0550	15844	Mon	Russian intel.	MFSK-16	(AB)
XPB1	29-10	0500	19544	Tue	Russian intel.	MFSK-16	(AB)
XPB1	29-10	0510	19044	Tue	Russian intel.	MFSK-16	(AB)
XPB1	29-10	0520	18444	Tue	Russian intel.	MFSK-16	(AB)
XPB1	29-10	0530	17444	Tue	Russian intel.	MFSK-16	(AB)
XPB1	29-10	0540	16244	Tue	Russian intel.	MFSK-16	(AB)
XPB1	29-10	0550	15844	Tue	Russian intel.	MFSK-16	(AB)
XPB1	29-10	1300	20075	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	29-10	1310	19575	Tue	Russian intel.	MFSK-16	(AB/RL)
XPB1	29-10	1320	18175	Tue	Russian intel.	MFSK-16	(AB)
XPB1	29-10	1330	17475	Tue	Russian intel.	MFSK-16	(AB)
XPB1	29-10	1340	16275	Tue	Russian intel.	MFSK-16	(AB)
XPB1	29-10	1350	14975	Tue	Russian intel.	MFSK-16	(AB)
XPB1	30-10	1100	16245	Wed	Russian intel.	MFSK-16	(AB)
XPB1	30-10	1110	15825	Wed	Russian intel.	MFSK-16	(AB)
XPB1	30-10	1120	14925	Wed	Russian intel.	MFSK-16	(AB)

<b>XPB1</b>	30-10	1130	13525	Wed	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	30-10	1140	12125	Wed	Russian intel.	MFSK-16	(AB)
<b>XPB1</b>	30-10	1150	11425	Wed	Russian intel.	MFSK-16	(AB)
<b>XSL</b>	11-10	1600	4231.5	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	11-10	1600	4291	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	11-10	1600	6250	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	11-10	1600	6417	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	11-10	1600	6445	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	11-10	1600	8313	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)
<b>XSL</b>	11-10	1600	8703.5	Fri	Japanese Navy a.k.a. Slot Machine	QPSK 1500Bd	(AB-J)



## CONTRIBUTORS

AB	Ary Boender, Netherlands
AB-CYP	Ary Boender via remote rx Cyprus
AB-D	Ary Boender via remote rx Germany
AB-F	Ary Boender via remote rx France
AB-FIN	Ary Boender via remote rx Finland
AB-HK	Ary Boender via remote rx Hong Kong
AB-HNG	Ary Boender via remote rx Hungary
AB-J	Ary Boender via remote rx Japan
AB-POL	Ary Boender via remote rx Poland
AB-RUS	Ary Boender via remote rx Russia
AB-S	Ary Boender via remote rx Sweden
AB-TWN	Ary Boender via remote rx Taiwan
CrLa	Cryptlab
Dan	Daniel LU5EMM, Argentina
EW	Eddy Waters, Australia
F5JBR	F5JBR André, France
FD	Full Day Waterfall, University Twente SDR
Fspy	Feline Spy SWL
HFD	Hans-Friedrich Dumrese, Germany
HFD-J	Hans-Friedrich Dumrese via remote rx Japan
HFD-RUS	Hans-Friedrich Dumrese via remote rx Russia
HFD-USA	Hans-Friedrich Dumrese via remote rx USA
Lac	Lazycrypt
Lazo	Lazo via Priyom
Moon	Moonlight (Dave AU)
Pof	Pofistal_975 via Priyom
Priyom	Priyom team
PY	Pierre Ynard, France and via remote rx
RL	Roberto Landolpho, Brazil
RO	Rando One, Sweden
Rycat	Rycat via Priyom
Subilo	Subilo
TJ	Trond Jacobsen, Norway
TM	Time Machine



## APPENDIX

### Designators of active stations

#### Prefixes

E	English language
F	FSK (Frequency Shift Keying) modes
G	German language
HM	Hybrid modes
M(C)	Morse code (Chinese)
P	PSK modes. QPSK (Quadrature Phase Shift Keying) and BPSK (Binary Phase-Shift keying) modes
Q	4+4 QPSK mode
S	Slavic languages
SK	Various modes used by Cuba, incl. (B)PSK, WinDRM
UM(C)	Unid Morse station (Chinese)
V	Voice broadcasts in other languages
VC	Voice Chinese
XP	MFSK (polytone) modes

#### Active voice stations

Code	Language	Origin	Related stations
E06	English	Russia	E06, S06, M14, F01, F06, F06a
E07	English	Russia	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1
E11	English	Poland	E11, E11a, S11a, F03, P03
E11a	English	Poland	E11, E11a, S11a, F03, P03
S06	Russian	Russia	E06, S06, M14, F01, F06, F06a
S06b	Russian	Russia	E06, S06, M14, F01, F06, F06a
S06c	Russian	Russian	E06, S06, M14, F01, F06, F06a
S11a	Russian	Poland	E11, E11a, S11a, F03, P03
S25	Russian	Russia	
V07	Spanish	Russia	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1
V07F	French	Russia	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1
V13	Mandarin	Taiwan	
V26	Chinese	China	M95, Q26, V26
V28	Korean	North Korea	
VC01	Chinese	China	VC03, MC03
VC03	Chinese	China	VC01, MC03

#### Active morse stations

Code	Mode	Origin	Related stations
M01	Morse	Russia	M01a
M01a	Morse	Russia	M01
M12	Morse	Russia	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1
M14	Morse	Russia	E06, S06, M14, F01, F06, F06a
M14d	Morse	Russia	E06, S06, M14, F01, F06, F06a
M21	Morse	Russia	M41
M22	Morse	Israel	
M23	Morse	France	
M41	Morse	Russia	M21
M51a	Morse	France	M51b
M51b	Morse	France	M51a
M76	Morse	?	
M89	Morse	China	
M95	Morse	China	M95, Q26, V26
MC03	Morse	China	VC01, VC03
UM03	Morse	China	
UM04	Morse	Bulgaria	PROMRCh daily schedule
UM05	Morse	France	Morse training. 24/7 operation
UM06	Morse	France?	Various formats. Often 5-letter strings separated by a 5-digit group
UM10	Morse	?	ID repeated for 10 minutes on two parallel frequencies. Messages are rare

### Active digital stations

Code	Mode	Origin	Related stations
<b>F01</b>	FSK	Russia	E06, S06, M14, F01, F06, F06a
<b>F02</b>	FTM-4 (FSK-4/150Bd/4000Hz)	Russia	
<b>F03</b>	2FSK, 4FSK	Poland	E11, E11a, S11a, P03
<b>F06</b>	FSK	Russia	E06, S06, M14, F01, F06, F06a
<b>F06a</b>	FSK	Russia	E06, S06, M14, F01, F06, F06a
<b>F07</b>	5 x 16-tone MFSK, 10 Bd, 20 Hz + BPSK, 250 Bd	Russia	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1
<b>HM01</b>	Voice + WinDRM	Cuba	
<b>M42</b>	Various modes	Russia	
<b>P03</b>	BPSK, QPSK	Poland	E11, E11a, S11a, F03
<b>P07</b>	8-tone OFDM, QSPK, 62.5 Bd, 125 Hz + BPSK, 250 Bd bursts	Russia	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1
<b>Q26</b>	4+4 QPSK 75/3000 LSB or 4+4 QPSK 75/1000 LSB	China	M95, Q26, V26
<b>X06</b>	MFSK-6	Russia	Several variants X06a, X06b, X06c, X06d
<b>XPA1</b>	MFSK-20	Russia	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1
<b>XPA2</b>	MFSK-16	Russia	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1
<b>XPB1</b>	MFSK-16	Russia	E07, V07, V07F, M12, F07, P07, XPA1, XPA2, XPB1

### Figures and words used by the various numbers stations

#### Cut numbers

Chinese cut numbers  
(M89, M95, MC03, etc)

A	U	3	4	5	6	7	D	N	T
1	2	3	4	5	6	7	8	9	0

M08a cut numbers

A	N	D	U	W	R	I	G	M	T
1	2	3	4	5	6	7	8	9	0

Q26 conversion

F	J	B	P	G	U	Y	M	C	W
0	1	2	3	4	5	6	7	8	9

Word	E11a	S11a	M03
Attention	Attention	Vnimanye	
Slash /	Oblique	Cirta	— . . — .
Out	Out	Konets	

Note: M03 and M08a are defunct.

Figure	English	French	German	Mandarin	Spanish	Russian	Arabic
0	Zero	Zero	Null	Ling	Cero	Null	Sifr
1	One	Un	Eins	Yi	Uno	Odín	Wahid
2	Two	Deux	Zwei	Er	Dos	Dva	It'nien
3	Three	Trois	Drei	San	Tres	Tri	Talata
4	Four	Quatre	Vier	Si	Cuatro	Chety're	Arba`a
5	Five	Cinq	Fünf	Wu	Cinco	Pyat'	Xamsa
6	Six	Six	Sechs	Liu	Seis	Shest'	Sitta
7	Seven	Sept	Sieben	Qi	Siete	Sem'	Sab`a
8	Eight	Huit	Acht	Ba	Ocho	Vósem'	Tamanya
9	Nine	Neuf	Neun	Jiu	Nueve	Dévyat'	Tiss`a

Figure	Morse	Vietnamese	E17z	S11a	G06	E11
0	— — — — —	Số không	Zero	Nul	Null	Zero
1	. — — — —	Một	Van	Adinka	Eins	One
2	. . — — —	Hai	To	Dwojka	Twso	Two
3	. . . — —	Ba	Fwee	Trojka	Drei	Three
4	. . . . —	Bô'n	Fo	Cienciorka	Vier	Four
5	. . . . .	Năm	Fav	Pietiorka	Funuf	Fiver
6	— . . . .	Sáu	Six	Szest	Sechs	Six
7	— — . . .	Ba y	Seven	Siem	Sieben	Seven
8	— — — . .	Tám	Eight	Wosiem	Acht	Eight
9	— — — — .	Chín	Nine	Diewiet	Neugen	Niner
=	— . . . —					
/	— . . . .					

## Morse characters

A	. -	1	. - - - -	Full stop (period)	[ . ]	. - . - . -
B	- . . .	2	. . - - -	Comma	[ , ]	- - . . - -
C	- . - .	3	. . . - -	Colon	[ : ]	- - - . . .
D	- . .	4	. . . . -	Question mark	[ ? ]	. . - - . .
E	.	5	. . . . .	Exclamation mark	[ ! ]	- . - . - -
F	. . - .	6	- . . . .	Apostrophe	[ ' ]	. - - - - .
G	- - .	7	- - . . .	Dash or Hyphen	[ - ]	- . . . . -
H	. . . .	8	- - - . .	Slash	[ / ]	- . . - .
I	. .	9	- - - - .	Left-hand bracket	[ ( ]	- . - - .
J	. - - -	0	- - - - -	Right-hand bracket	[ ) ]	- . - - . -
K	- . -			Quotation marks	[ " " ]	. - . . - .
L	. - . .			Equals sign	[ BT = ]	- . . . -
M	- -	Accented letters		Understood		. . . - .
N	- .			Plus sign	[ + ]	. - . - .
O	- - -			Invitation to transmit		- . -
P	. - - .			Wait	[ AS ]	. - . . .
Q	- - - .			End of Transmission	[ SK, VA ]	. . . - . -
R	. - .			End of message	[ AR ]	. - . - .
S	. . .			Starting signal		- . . - .
T	-			Multiplication sign	[ × ]	- . . -
U	. . -			At sign	[ @ ]	. - - . - .
V	. . . -			Break	[ BK ]	- . . . - .
W	. - -			Ampersand	[ & ]	. - . . .
X	- . . .					
Y	- . - -					
Z	- - . .					

See also

<http://udxf.nl/Morse-document.pdf>

<http://udxf.nl/Russian.pdf>

## E11 family digital transmission modes.

Most modes are very much the same and have only very small differences.

### FSK transmissions

F03a	FSK-2 100Bd/200Hz cf + 600Hz
F03b	FSK-2 200Bd/400Hz
F03c	FSK-2 400Bd/960Hz/cf +1120Hz/448-bit period
F03d	FSK-2 200Bd/400Hz/cf +600Hz/448-bit period
F03f	FSK-2 400Bd/800Hz/cf +1200Hz/496-bit period
F03g	BPSK 50Bd/1000Hz/464 bits
F03h	BPSK 100Bd/1000Hz/512 bits
F03i	FSK-2 100Bd/800Hz/cf +1200Hz/488-bit period
F03j	FSK-4 100Bd/400Hz/cf +1200Hz/448-bit period
F03k	FSK-2 400Bd/800Hz/cf +1200Hz/448-bit period
F03l	FSK-2 100Bd/200Hz/cf +700Hz/448-bit period
F11	FSK 100Bd/620Hz and FSK 100Bd/740Hz

### PSK transmissions

P03	Undefined PSK
P03a	BPSK 62.5Bd
P03b	QPSK 62.5Bd
P03c	BPSK 125Bd
P03d	QPSK 125Bd/448-bit period
P03e	QPSK 100Bd/488-bit period
P03f	QPSK 200Bd/496-bit period
P03g	BPSK 50Bd/464-bit period
P03h	BPSK 100Bd/512-bit period
P03i	BPSK 62.5Bd/464-bit period
P03j	QPSK 100Bd/504-bit period
P03k	BPSK 100Bd/480-bit period
P03l	QPSK 100Bd/464-bit period

### Notes:

- Bit Period is the time needed to transmit one bit
- Defunct modes F03a, F03b, F11, P03a, P03b, P03c

## COLOPHON

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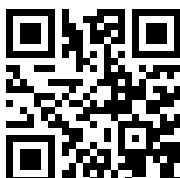
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976 27364 92866 89428 61288 14982 36498 32764 81276 81  
986 40932 70987 32123 49817 26346 81287 65491 87364 81  
721 75654 55656 12737 72727 72727 91918 63473 67867 70  
723 87629 37677 32612 53498 71296 28756 18276 98716 87  
7269 76329 74698 76857 98678 27681 56781 57681 73648 1  
7591 87364 87265 96718 27638 12673 84769 28743 98127 5  
758 63298 75698 27465 87326 49876 28376 81273 98615 86  
67 87432 74328 78674 29867 32867 67867 86786 43276 486  
67 68768 68763 34234 34238 68768 62342 48273 48768 230  
936 98432 32432 86743 43286 43286 43286 43286 43286 432  
743 86743 86743 39867 32867 86743 43286 43286 43243 86  
751 86743 86743 86743 86743 86743 86743 86743 86743 86  
983 98798 98754 98754 98754 98754 29867 67543 67986 86  
976 87698 69876 87698 69876 87612 12341 34867 86798 652  
867 43298 65656 56756 56123 32143 14321 32143 14321 321  
867 43287 58765 76587 58765 76587 58765 76587 58756 765  
86743 76587 76587 76587 76587 76587 76587 76587 76587 76587

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